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CHEMIST AND DRUGGIST

FEBRUARY 1 1969

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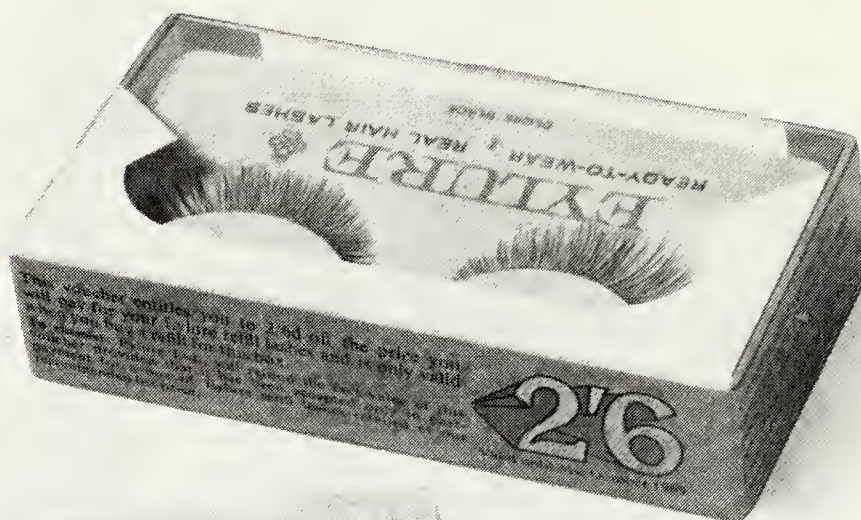
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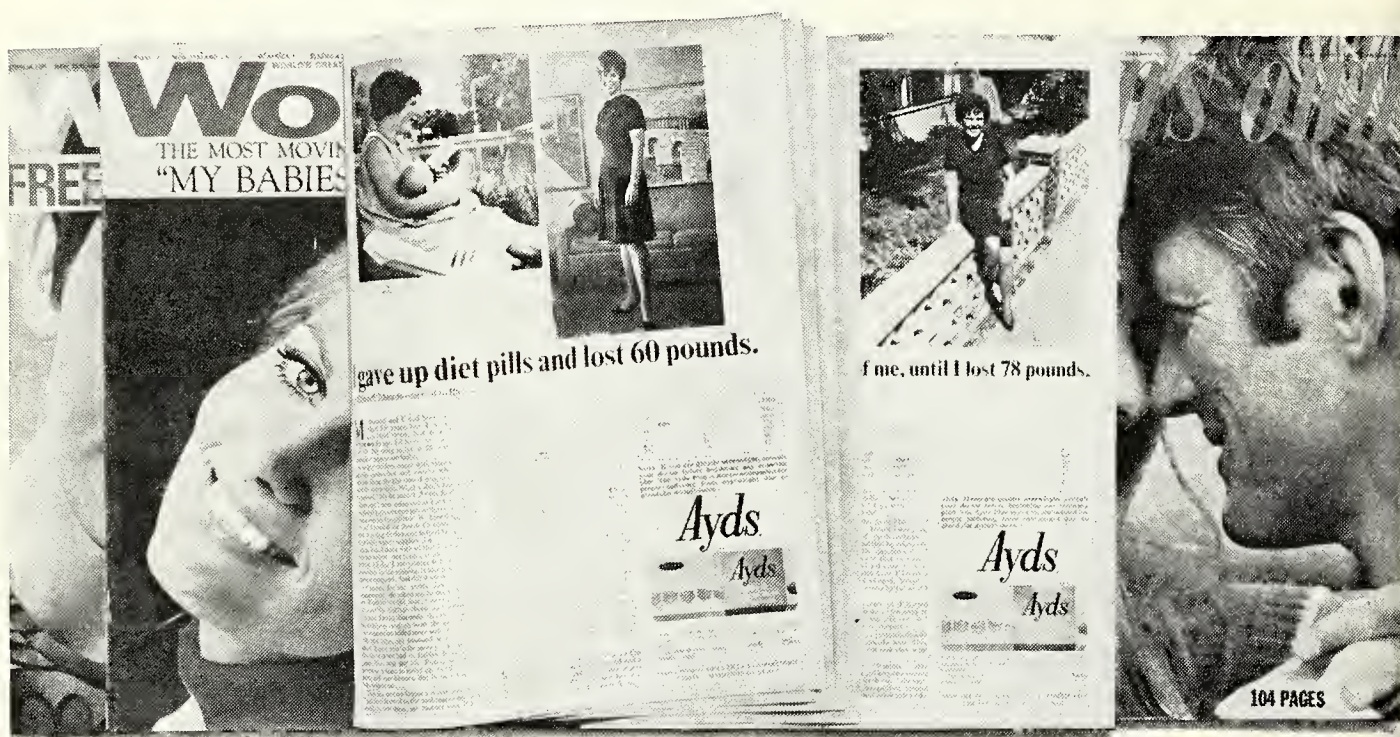
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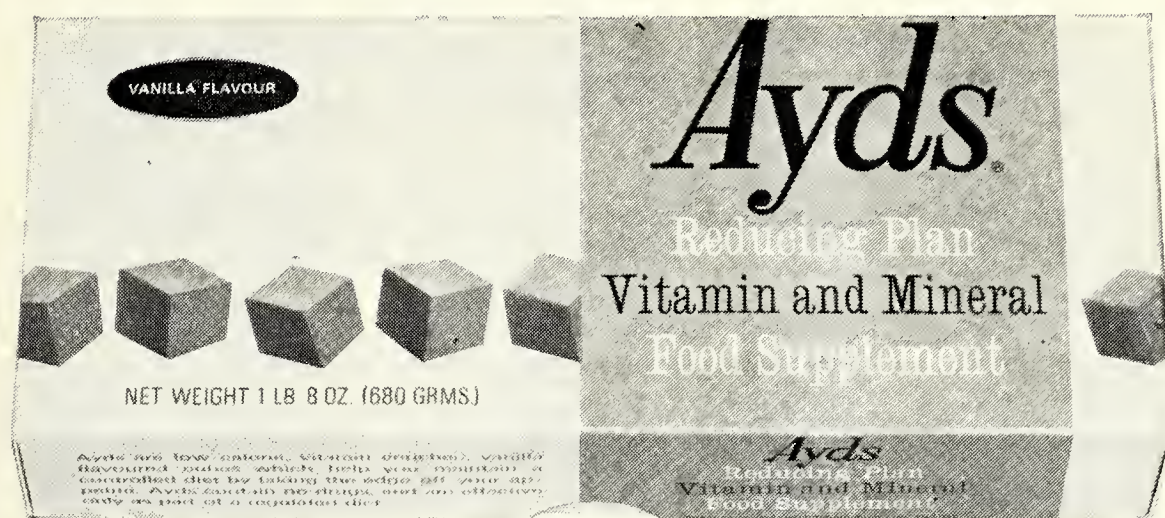
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C. & D. January 18, 1969

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ESTABLISHED 1859

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Official organ of the Pharmaceutical Society of Ireland and of the Pharmaceutical Society of Northern Ireland

Volume 191

February 1, 1969

No. 4642

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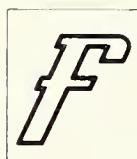
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- 2 Wholesalers are carrying stocks.
- 3 Journal announcements cannot accommodate all the information a prescriber may reasonably expect. We have not attempted, therefore, to discuss dosages, cautions, etc. in our medical announcement.
- 4 We invite pharmacists to ask us for the Standard Publication in order that they may meet medical requests for further information. Our representatives will be co-operating with pharmacists in this dissemination.

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CHEMIST AND DRUGGIST

Volume 191

FEBRUARY 1, 1969

No. 4642

Expenditure on Health Service

OVER 5 PER CENT. OF NATIONAL INCOME

NATIONAL Health Service expenditure equalled 5.12 per cent. of national income in 1967, against 4.85 per cent. in 1966, 4.46 per cent. in 1964 and 3.89 per cent in 1954.

The annual increase between 1966 and 1967 was the largest yet, rising from £1,434 million to £1,594 million. Since 1963 there has been a rise of almost £500 million, and even at constant prices (to allow for the falling value of the £), that would be equal to a rise of about £300 million. Those figures are given in Office of Health Economics information sheet no. 5, published on January 29. Though the hospital

N.H.S. GROSS COST AND PERCENTAGE OF NATIONAL INCOME

Year	Cost	Percentage of national income
	£m	
1964	1,186	4.46
1965	1,308	4.62
1966	1,434	4.85
1967	1,594	5.12

PERCENTAGE OF TOTAL COST

Year	Hospital services	Pharmaceutical services	General medical services
1964	60.5	10.2	7.9
1965	60.5	11.1	7.8
1966	60.9	11.2	7.5
1967	59.9	10.6	7.9

service continues to account for by far the largest share of total N.H.S. expenditure, its proportion went down from 60.9 per cent. in 1966 to 59.9 per cent. in 1967, reversing the trend of the

period 1960-66. The proportion devoted to the local health services continued to increase, reaching 10.7 per cent. in 1967, overtaking the pharmaceutical service, whose share has remained at around 10 per cent. since 1951. Both dental and supplementary ophthalmic services continue to account for a declining proportion of total expenditure; supplementary ophthalmic, at 1.4 per cent., now accounts for only half the proportion that it did in 1951.

Statutory Committee

NOTICE OF MEETING

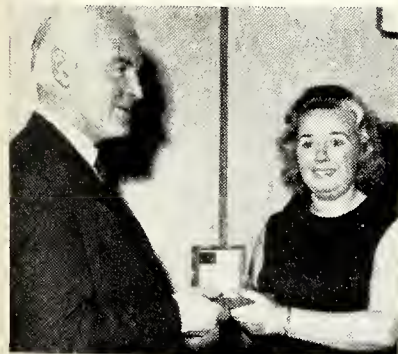
THE Statutory Committee of the Pharmaceutical Society meets at 17 Bloomsbury Square, London, W.C.1, at 11 a.m. on February 12, to reopen inquiries previously adjourned into the cases of: (1) A body corporate and authorised seller of poisons that had been convicted for offences under the Pharmacy and Poisons Act, 1933, and a director of the company who was found guilty of such misconduct as would render him unfit to remain on the Register of Pharmaceutical Chemists were he so registered. (2) A member of the Society who had been convicted for offences under the Pharmacy and Poisons Act, 1933. (3) A member of the Society who had committed misconduct in that he had been incapable of carrying out

his professional duties due to the influence of drugs. (4) A member of the Society who had been convicted for offences under the Larceny Act, 1916. The Committee will further consider information and evidence from which it appears that: (5) A member of the Society was convicted for offences under the Larceny Act, 1916. (6) A body corporate and authorised seller of poisons was convicted for an offence under the Food and Drugs Act, 1955, and that the superintendent pharmacist may thereby have been guilty of misconduct. The Committee meets again at 17 Bloomsbury Square, at 10.30 a.m. on February 13, to consider information and evidence from which it appears that: (7) A member of the Society may have been guilty of misconduct in that he supplied excessive quantities of a drug to one patient without proper professional control. (8) A member of the Society was convicted for an offence under the Road Traffic Act, 1960. (9), (10) and (11) Three members of the Society were convicted for offences under the Dangerous Drugs Act, 1965. (12) An applicant for registration as a pharmaceutical chemist was convicted for offences under the Dangerous Drugs Act, 1965. (13) A member of the Society was convicted for offences under the Forgery Act, 1913.

Marketing of Medicine

O.H.E. EVENING LECTURE

THE importance of planned and controlled marketing for prescription medicines ought to be recognised and accepted in the same way as it is for products of other types. That was the theme of the fourth of the 1968-69 series of winter lectures, organised by



GOLD WATCHES FOR LONG SERVICE: In recognition of twenty-five years' service or more with Martindale-Samoore, Ltd., and its predecessors, the company entertained nine employees of the company to dinner on January 21. They were received by Mr. R. W. V. Neathercoat (chairman) who was accompanied by Messrs. D. A. Savory and K. Holland (directors), and Mr. I. Benjamin (manager of the company's Bayswater depot). Five of the long-service personnel (Miss S. Rayfield and Mrs. H. M. Weatherall; Messrs. A. G. Boyall, F. C. Dyche and W. R. Wills) were from the company's Bayswater depot. Three (Miss I. Griffiths, Miss E. James and Mrs. E. Gregory) were from the Tottenham works. One (Mr. A. W. Naylor) came from the depot at Weedon, Northants. To each of them Mr. Neathercoat presented a gold watch, and on behalf of them all Mr. W. R. Wills expressed their appreciation of the board's recognition of their services.

the Office of Health Economics which was given by Mr. Stewart Kipling (managing director, Nicholas Laboratories, Ltd.), and Mr. Robert H. Jones (an industrial economist). The speakers were concerned "not with the general economic arguments for pharmaceutical marketing, but with the actual marketing approach adopted and problems met by a company implementing a policy of sophisticated marketing." Taking the marketing of a range of Gentacin products as an example, the speakers showed how the successful approach to the first product launch was insufficiently revised for the next, resulting in a poor market performance by one of the skin-products. The company carried out a detailed retrospective analysis of the product planning and market situation, and certain shortcomings in the marketing approach were identified. The lessons learned were applied with success to the third launch in the series, that of the ear and eye drops in the autumn of 1968. Mr. Jones pointed out that the Gentacin products were "in many ways representative of the pharmaceutical development and marketing process." While not all new products represented major medical breakthroughs, the majority were significant developments in current therapeutic knowledge within a limited medical area.

Pesticide Residues

CALL FOR MORE RESEARCH

MORE information is required on the use of pesticide and veterinary products in or on foodstuffs, says the Advisory Committee on Pesticides and other Toxic Chemicals in a report "The Collection of Residue Data" (H.M. Stationery Office, price 4s. 6d.). A working party of the Committee (whose report it presented and endorsed) also recommends that the information obtained should be kept up to date and made generally available, with industrial and other workers being encouraged to publish the results of residue studies on commercial-scale field trials as soon as possible. Particular spheres of research needing attention are said to be in the development of schemes of analysis for "unknown" residues; development of simpler and quicker means of identification; work on pesticide breakdown products, and development of screening tests for residues of coccidiostats, anthelmintics, drugs used against histomaniasis and growth promoters. A unit should be set up to be responsible for the collection of samples for residue studies, initiated by central government authorities, it is suggested. Also, a new body should be appointed to take over the work of the present Panel on Residues of Pesticides in Foodstuffs and to co-ordinate the collection of residue data.

Dispensing in Gloucester

CONCERN OVER HEALTH CENTRE

THERE is a fear among chemists in Gloucester that there might be more dispensing at a new health centre being provided at Rikenel. A letter has been sent to all members of the City Council

by seventeen members of the Pharmaceutical Society expressing their concern, and asking for an assurance that the new dispensary will not be on a bigger scale than the one at the existing health centre in Longsmith Street, Gloucester. The Press officer of the Gloucester Branch of the Society (Mr. C. C. Graham) pointed out that there had been ten pharmacy closures in as many years. Small businesses, he said, were particularly vulnerable. Dispensing was accounting for a greater part of their turnover now that the more traditional chemists' lines were being sold in supermarkets. The present dispensary in the health centre at Longsmith Street is open to public until 8 p.m. on four days a week.

Approved Names

NEW EDITION OF BOOKLET

A NEW edition of the booklet of approved names, dated January 1969, has been published by the British Pharmacopoeia Commission, General Medical Council, 8 Bulstrode Street, London, W1M 5FT. The booklet contains the approved names issued since 1948 together with those issued earlier for substances that have not become the subject of a monograph in the British Pharmacopoeia. Over 1,100 approved names and 1,400 proprietary and other names are included and statements of their action and use are now given. Single copies of the booklet are available from the Commission price 7s. 6d.; 10 copies £3 10s.; 25 copies £8; 100 copies £30, post free, remittance with order.

SCOTTISH NEWS

Postal Emergency

CLAIMS FOR EXTRA PARCELS COSTS

DURING the present emergency when parcel post is suspended and certain airfreight facilities are withdrawn, small quantities of urgent medicine may have to be obtained by letter post. Chemist contractors in Scotland who are surcharged by their suppliers on that account are being advised by the Pharmaceutical General Council (Scotland) that they may claim refund of the difference between parcel post and letter post rate. Contractors should submit their claim to the clerk of the local Executive Council.

IRISH NEWS

THE REPUBLIC

Policy For Health

LABOUR PARTY PROPOSALS

IN its new health policy document issued on January 18 the Labour Party states that the dispensary system in its present form should be abolished and everyone given a free choice of doctor. The party would, it declares, provide a free, comprehensive health service incorporating general medical, hospital and specialist services, dental, aural and ophthalmic services, and free medicines and appliances to be provided on doctors' prescriptions. It proposes to bring the pharmaceutical industry under community control and integrate it into the health service.

The New Code

A COPY FOR EVERY PHARMACY

EVERY pharmacy in the Republic is being provided with a "Statement of Guidance from Practice of Pharmacy Committee" of the Council of the Pharmaceutical Society of Ireland, which recently approved the "code" (see C. & D., January 25, p. 83). Text of the statement is:—

The Ethical Pharmacist—

- (a) Shows the same attention to every person availing of his services and never refuses to dispense a medical prescription without justifiable cause.
- (b) Supplies exactly the drug or preparation ordered on a prescription and never substitutes an equivalent product except with the consent of the prescriber.
- (c) Maintains professional secrecy (subject only to his legal obligations) and answers circumspectly any questions relating to the efficacy of treatments, prescriptions or the nature of an illness.
- (d) Advises patients to consult a doctor when necessary, but does not have private arrangements with any doctor.
- (e) Keeps his pharmacy clean, neat, hygienic and well equipped with apparatus and reference books necessary for the performance of his professional duties.
- (f) Employs signs, titles, notices and emblems which are restrained in size, design and terms, and never uses a title or description which is inaccurate or which draws an invidious distinction between pharmacists.
- (g) Displays his Licence Certificate in the pharmacy.
- (h) Personally supervises the professional activities of the pharmacy and ensures that all procedures are carried out *secundum artem*.
- (i) Takes an active interest in his professional organisations and is helpful and courteous to his colleagues in every branch of pharmacy.
- (j) Honours agreed professional fees and complies with local arrangements regarding hours of opening and closing.
- (k) Supports the Benevolent Fund of the Pharmaceutical Society of Ireland.
- (l) Never engages in conduct which might discredit the pharmaceutical profession.
- (m) Strives to perfect and enlarge his professional knowledge through reading, attending lectures and post-graduate courses.

THE NORTH

A RECORD number of 226 guests attended the fifth annual dinner of the Fermanagh and West Tyrone Branch of Ulster Chemists' Association held in Omagh on January 22. Branch chairman, Mr. J. Davie, Castledearg, welcoming the guests, expressed pleasure at the fact that many members of the Executive Committee had travelled from Belfast and other parts of the province to

be present. He then referred to the principal guest of the evening—Mr. Liam C. Magee. All members of the Branch, he said, were delighted that one of their number, Mr. Magee, had been elected president of the U.C.A. Mr. Noel Bell (assistant secretary of the branch) said that Mr. Magee had been secretary of the Fermanagh and West Tyrone Branch since its foundation in 1963. He had always been an enthusiastic worker in the cause of pharmacy, and was the first pharmacist from the area to have been elected president of the U.C.A. It was a well-deserved honour. Mr. Davie then presented Mr. Magee with a gold wristlet watch, and Mrs. C. Slevin a floral bouquet to Mrs. Magee. Mr. Magee thanked the Branch for their tributes and gifts. On behalf of the guests Mr. B. Flatley (president, Pharmaceutical Society of Northern Ireland) paid further tribute to Mr. Magee and thanked the Branch for their hospitality. The remainder of the evening was spent in enjoyment of cabaret and dancing.

NEWS IN BRIEF

THE Radiochemical Centre's 1969-70 catalogue of radioactive products has been produced in a new format for easier reference. The contents include over 140 new products.

THE Agricultural Research Council has awarded a grant of £6,000 to Dr. M. R. W. Brown (head of the pharmaceutical microbiology group, Bath University School of Pharmacy) towards research on the rôle of dipicolinic acid in dormancy and the resistance of bacterial spores.

THE Society of Chemical Industry, 14 Belgrave Square, London, S.W.1, has just published the first issue (January 1969) of *British Polymer Journal*. The journal will specialise in the field of pure and applied polymer science. Annual subscription is £4 for Society members, £8 for non-members.

MR. J. FERGUSON (an assistant secretary, Pharmaceutical Society) was interviewed on the B.B.C. Radio 4 "Today" programme on January 28. He outlined the implications for the patient of having his prescription dispensed in the metric system after March 3, and explained particularly the use of the 5-mil spoon.

THE Society for Analytical Chemistry have awarded their third gold medal to Professor Ronald Belcher, University of Birmingham. He is a past president of the International Union of Pure and Applied Chemistry's analytical division and is currently vice-president of the Society for Analytical Chemistry.

DR. S. Hyman (principal lecturer in management studies, Kingston College of Technology, Surrey) has received a grant of £1,500 from the Nuffield Provincial Hospital Trust and one for £1,000 from the South-west Metropolitan Regional Hospital Board to finance a one-year pilot study of hospital supplies, including drugs, food, furniture and clothing. The project is expected to identify opportunities for improving the supply system ready for study in detail in later investigations.

TOPICAL REFLECTIONS

By Xrayser

No Relaxation

Although, at the moment of writing, cannabis is still to be the subject of debate in the House, the announcement of Mr. James Callaghan as Home Secretary may be taken as a complete rejection of the Wootton committee's recommendations for altering the penalties for possession, sale or supply of the drug. It seemed that the report still favoured the keeping of records of the prescribing of cannabis. That would have meant, in effect, its retention among the substances controlled by the Dangerous Drugs Act or the creation of a separate section for that substance alone. But it is not by the hands of the pharmacist that cannabis is reaching the market, and even strict control of the register, and regular inspection, would seem to me unlikely to disclose very much. My own current register shows neither purchases nor sales of the drug, and I would hazard a guess that that situation is almost universal. Where, then, are the supplies coming from? There are frequent reports of "possession" and appearances in magistrates' courts, but somewhere in the chain there are people selling and distributing cannabis at considerable profit to themselves, obviously with no regard for ultimate effect on the consumer. Despite the so-called "liberal" outlook of a small section of the community, there is also strong evidence that the drug is regarded by expert opinion as a danger, actual and potential. An expert committee of the World Health Organisation has lately reaffirmed its view that cannabis is a drug of dependence, producing both public-health and social problems. Parliament has upheld that view, and Mr. Callaghan has drawn attention to the resolution of the United Nations Commission on Narcotic Drugs, to which you refer in your leader (p. 81). In his statement Mr. Callaghan said that any relaxation of penalties would lead to the opinion that the Government took a "less than serious view" of the effects of drug taking. Discussions on drugs that have found the pharmacist so little involved practically must be few indeed, but he is not without experience of examples of drug dependence.

Dispensing Technicians

I have read, with some reservation as to its value, the syllabus issued by the City and Guilds of London Institute (pp. 85-86) for the dispensing technician's certificate. Its intentions are laudable, in that the course of study is comprehensive enough for its intended purpose. Possession of the certificate would indicate knowledge to the limits laid down, and would be evidence of a systematic course of study leading to the required proficiency. My feeling of doubt is in regard to career prospects. In the short term, a suitable reward could be provided on completion of the course to a young person of nineteen years of age, but what future does it offer to a young man? That young man will, within a decade, probably have married and may have a young family. Pharmacy may to him offer security with a limited financial return, and any pharmacist who is asked advice in the matter must point out the limitations of the certificate. It carries no legal responsibility and is not, in fact, a qualification. It is merely a document showing proficiency within well defined limits. Time will tell whether the certificate acts as an incentive, but I would hesitate to urge any young person to think of it in terms of a career.

Planned Pharmaceutical Service

The letter of Mr. C. H. Patrick (p. 54) has aroused the sympathy of correspondents, particularly that part of it dealing with his reasons for retiral. To organise a planned pharmaceutical service is, as Mr. A. Cowan points out, a task of gigantic proportions, and, as he also states, to rush the matter would be to court disaster. On the other hand there must be no undue delay, for the problem is with us now. Numerous areas require a pharmaceutical service and do not have one. Pharmacies are closing that leave villages and large areas without an amenity they may have known for sixty years. The time is past for tentative steps. The whole problem may be taken out of our hands.

Earnings-related Pensions

GOVERNMENT WHITE PAPER OUTLINES NEW SCHEME

REPLACEMENT of the present mainly flat-rate National Insurance scheme by one in which both contributions and benefits are related to employees' individual earnings is proposed in a Government White Paper, "National Superannuation and Social Insurance" (H.M. Stationery Office, price 6s.) published on January 28. Main features of the plan are summarised in "Pensions—The Way Forward" (H.M.S.O., price 1s.). The White Paper is concerned mainly with pensions and long-term benefits. Short-term benefits are being dealt with in a further White Paper to be published early in 1970. For most people contributions will be higher than at present, with higher pensions and other benefits in exchange.

Full rates of the new pensions will be paid to people who reach pension age after the scheme has been running for twenty years. A transitional scheme will cater for those who are pensioners already, or who go on to pension before the scheme starts. It will allow for periodical increases in pensions. The Government will be required by law to review every two years the main rates of pensions and other benefits awarded under both the present scheme and the new scheme.

Better Benefit Rights for Women

Also proposed are new and better benefit rights for women; compulsory contributions for married women and widows who go out to work; and a new attendance allowance for severely disabled people. Contributions for employees will be collected through the P.A.Y.E. system and, the present system of stamped cards will be abolished.

The Government plans to introduce legislation in the next session of Parliament and has named April 1972 as the target date for starting the new scheme.

In place of the present single fund for all National Insurance contributions and benefits, there will be two separate funds: A National Superannuation Fund for pensions, widowhood benefits and death grant and a social Insurance Fund for the remaining benefits.

Contributions for employed persons will be a straight percentage of all earnings in each year, up to a maximum of about 1½ times national average earnings. (Average earnings of adult male manual workers in manufacturing industries and certain other industries and services. The latest available figure (April 1968) is about £22 5s. a week.)

At April 1968 levels the maximum would be £1,700 a year or about £33 a week.

At the start of the scheme, the total contribution rate will be 6½ per cent., comprising 4½ per cent. for National Superannuation and 2 per cent. for social insurance benefits, industrial injuries benefits and a contribution to the National Health Service.

Table shows contributions as they would have been if the scheme had started in April 1968.

EMPLOYEES' CONTRIBUTIONS					
Weekly earnings	Present Scheme (flat-rate plus graduated)		New Scheme (expressed as weekly rate)		Change in contributions
	s	d	s	d	
MEN					
£11	17	10	14	10	— 3 0
£16 10s	23	0	22	3	— 9
£22	24	8	29	8	+ 5 0
£27 10s	25	3	37	1	+ 11 10
£33 or more	25	5	44	7	+ 19 2
WOMEN					
£8	13	2	10	10	— 2 4
£11	15	4	14	10	— 6
£16 10s	23	0	22	3	+ 1 9
£22	22	2	29	8	+ 7 6
£27 10s	22	9	37	1	+ 14 4
£33 or more	22	11	44	7	+ 21 8

Employers will pay at first 6½ per cent.—calculated as a percentage of their total P.A.Y.E. payroll, with no earnings ceiling. 4½ per cent. will be for National Superannuation, 2 per cent. for social insurance benefits, etc., and ½ per cent. for the Redundancy Fund.

The Exchequer will contribute approximately the same proportion as under the current scheme.

Pension ages remain at 65 for men and 60 for women. Extra pension will be earned by later retirement.

Pensions, like contributions, will be wholly earnings-related, providing for a single person a pension made up of: 60 per cent. of his or her earnings up to half national average earnings (about £11 a week at April 1968 levels); and 25 per cent. of the remainder, up to the scheme's ceiling. Basis will be on the "whole life" principle, as in the present scheme.

Graduated pension rights earned under the present scheme will be preserved and paid on top of the new-scheme pension.

Social Insurance benefits include an earnings-related short-term sickness benefit—payable for up to six months and an earnings-related long-term sickness benefit—paid after entitlement to the initial short-term rate has ended. For those unable to return to work

it will be in effect an invalidity pension. There will be a new attendance allowance for very severely disabled people and an earnings-related benefit, corresponding to the new short-term sickness benefit, for up to six months of unemployment. After that, a flat-rate benefit will, as now, be payable for up to a further six months.

Self-employed People

Earnings-related contributions for the self-employed are said to be impracticable, at least for the time being. Such people will be brought into the new scheme on the basis of flat-rate contributions of, at April 1968 levels, about 27s. a week which will count for pension at the level for employees earning half national average earnings. That corresponds to the full 60 per cent. part of the pension formula. Contributions will be compulsory only for self-employed people earning more than half national average earnings.

Employees whose earnings are too low to bring them within the P.A.Y.E. system will not be compelled to pay contributions but they will be able to pay voluntary contributions.

Partial Contracting Out

The Government's aim is to work in partnership with employers' pension schemes, and preliminary study has suggested the following as the pattern for partial contracting out. National Superannuation contribution paid by contracted-out employees would be at a reduced percentage as would that part of the employer's contribution on earnings up to the employees' "ceiling." As counterpart, there would be a deduction from the employee's personal retirement pension under the State scheme. The employer's pension scheme would be required to guarantee him a pension of at least the amount deducted from his State pension.

The Government intend to bring in legislation to ensure that every member of an employer's pension scheme who has satisfied certain minimum conditions should have the right to have his accrued pension preserved for him until he reaches retiring age.

HEALTH AND BEAUTY AIDS

Survey finds chemists "apathetic" to makers' promotions

MANY promotion schemes for health and beauty aids are, by contrast with their treatment by supermarkets, either not featured well by chemists or not featured at all, says a survey carried out by Merchandising and Marketing Development, Ltd., 55 St. Martin's Lane, London, W.C.2. Main reason chemists are not featuring manufacturers' schemes is stated to be apathy and resistance to all forms of promotion. "This situation," adds the report, "will undoubtedly lower the turnover of these products even further and will hasten the trend towards promotions being featured in supermarkets only."

The survey was directed to "below-the-line" advertising (bonus offers,

competitions, premium offers, etc.). In the health and beauty aid sector 22 per cent. more promotions were in operation in 1968 than in 1967. Types of promotion showed no significant change. Couponing on pack or through the letter box were on the increase, and retailer offers—the most popular promotion—accounted for a quarter of all promotions. The organisers of the survey predict that supermarkets will in future be stocking an even larger range of the cheaper toiletries and large-volume proprietary medicines. They conclude that, in two years' time, it will be uneconomic for manufacturers to promote such products through chemists. To cut profits and promote

them anywhere but in supermarkets, with their large-volume trade, would, says the report, be becoming more and more uneconomic.

SOCIETY'S VIEWS ON "GREEN PAPER"

Council publishes details of its "submission"

THE Pharmaceutical Society has "serious misgivings" about the proposed abolition of Executive Councils. That is made evident in a submission the Council has issued upon the Government's Green Paper on the "Administrative Structure of the Medical and Related Services in England and Wales." While agreeing that any change should be towards unification of the existing tripartite structure, the submission expresses concern at some of the proposals associated with the establishment of area health boards.

The intention to have no professional representation on the boards would, in the Society's view, make it vitally important to ensure that the underlying structure was such that the advice of professional committees was freely available to the board. The board's chief pharmaceutical officer should attend all meetings of the area pharmaceutical committee. He could there seek the views of practitioners in the pharmaceutical services. "This would also ensure that the machinery existed for the two-way passage of ideas and views which is essential to the smooth running of the pharmaceutical services."

The suggestion in the Green Paper that the chief medical officer should have direct access to the board, whereas other chief professional officers "could put a professional view to the executive or in appropriate cases to the board itself" is "totally unacceptable" to the Society, which claims that all professional officers should have direct access to the board. If the final decision comes to be that all the professions should be represented on the area boards, the Society's suggestion is that the board's composition might be along the same lines as the Medicines Commission, as outlined in the Medicines Act, 1968. That would lay down the "main professional activities" to be represented. In order to keep the number of members low, each profession could have one representative in the person of the chairman of the appropriate professional committee.

"Remoteness" a Danger to Patients

The relatively small number of area boards proposed (forty to fifty) would create "remoteness" in terms of distance and human relationships, says the submission. That would be "positively disadvantageous to the patient." It therefore proposes that two or three "districts" should be created within a board's area, each to have a district health committee on which the public, as well as the professions, would be represented. The difficulties that would, because of travelling distances, be experienced by pharmacists, particularly those in general practice who need locums, in serving area pharmaceutical committees has led the Council to suggest a "second tier" of professional committee representation. In each of the proposed "districts" there would be a district pharmaceutical committee on which the great majority of pharma-

cists in the district who were engaged in the Health Service would be able to serve if elected. Each such committee would be allocated one or two places on the area pharmaceutical committee, thus ensuring that it was representative of the area. The method would also ensure that a rural district within a predominantly urban area was represented at the level of the area committee.

The chief pharmaceutical officer to the area health board should have overall responsibility for administering the pharmaceutical services in the area. The appointment should be open to all pharmacists who possessed the necessary qualifications and administrative ability. In conjunction with the area and district pharmaceutical committees the officer should have responsibility for the involvement of pharmacists in community health education. "The rôle that the pharmacist and the pharmacy could play in health education and preventative medicine has so far been largely ignored."

Taking the example that the director of the planning and operation of services department should, "as of right," be the chief medical officer, the Society warns that no undue emphasis should

be given to any particular aspect of the service. "The main priority should be the benefit to the patient and not the requirements of any particular profession."

A function of the area health board should be to arrange facilities for post-graduate education for all practitioners in the Health Service, including pharmacists. Such facilities should include management courses to enable practitioners to compete for administration and management posts.

On service committee procedure, the Society holds that a chemist contractor aggrieved by a decision should, if appeal to Minister is not to be continued, be able to appeal to the proposed health commissioner.

The area boards themselves should be directly linked with the Department of Health and Social Security and not responsible to local authorities. To think in terms of even less than the forty or fifty boards mentioned in the Green Paper might, it is suggested, be wiser. Their function could then be planning the implementation of national health policies in their areas, but with detailed implementation and administration handled by the suggested "second tier" of administrative structure.

The submission concludes by urging that, after publication of the White Paper, at least six months should be allowed for detailed consideration and consultation.

IN PARLIAMENT

BY A MEMBER OF THE PRESS GALLERY, HOUSE OF COMMONS

"THERE is little doubt that a pharmaceutical revolution in drugs working on the central nervous system is taking place," said MR. JAMES CALLAGHAN (Minister of State, Home Department), during a debate on January 27 on the Wootton report on cannabis (*C. & D.*, January 11, p. 23). Mr. Callaghan said that he understood the number of such new drugs manufactured might run into hundreds. The picture on the drug scene was sobering. One new drug that might shortly be produced would have, he was told, a potency at least ten times as great as that of LSD. A good graduate chemist could often manufacture, apparently, a drug that could be extremely potent. Clearly the problem was real and serious. Another disquieting factor was that drug-taking was no longer confined to London. A number of provincial centres were beginning to find evidence of drug abuse, and illicit trafficking was growing more organised. He had asked the police for a special report. He was also overhauling the arrangements and degree of energy which the police and Customs and Excise were putting into the detection of manufacture of those drugs, and in consultation with representative organisations was working out the framework of new regulations under the Dangerous Drugs Act, 1967, for the safe keeping of drugs in shops, warehouses and factories. There were already arrangements, some of them reasonably satisfactory but others which he wanted to improve. He hoped to bring forward regulations later in 1969.

Perhaps the most disturbing develop-

ment in 1968 had been the number of teenage drug takers or youths who were giving themselves intravenous injections of central-nervous-stimulant drugs such as Methedrine. It was a matter of great concern to him that their activities were encouraged by a tiny handful of doctors, and he was depressed at the cumbersome procedure and length of time it took to deal with that situation. He might be able in the near future to bring forward proposals that would give him and the Government of the day much more power to handle the problem more flexibly.

MR. W. DEEDES hinted that the next epidemic from which Britain would suffer could be a barbiturate epidemic such as Japan was now having. There were already some signs of it.

Mr. Callaghan had earlier (on January 23) been asked to make a statement on the Government's attitude to the recommendations the Advisory Committee on Drug Dependence had made on cannabis. His reply was that the Government had agreed on the need for more comprehensive and flexible powers of control in order to check drug abuse and he hoped to announce proposals in due course. Also accepted was the need for wider research. On the other hand he could not reconcile the main Committee's view that the wider use of cannabis ought not to be encouraged with the proposal to bring in legislation to reduce the existing penalties for its use. The advisory committee, moreover, had made no forecast of the consequences of such legislation. Reducing the penalties for

possession, sale or supply of cannabis would be bound to lead people to think that the Government took a less than serious view of the effects of drug-taking. That was not so.

Influenza Vaccine

MR. E. M. TAYLOR asked the Secretary for Social Services on January 27 whether adequate supplies of influenza vaccine were now available. MR. ENNALS (Minister of State) replied that 1,070,000 doses of Hong Kong influenza vaccine had now been distributed. Supply was still not matching demand, but increasing quantities were going to retail chemists to meet doctors' prescriptions. Pressed further by MR. TAYLOR, MR. ENNALS said the Government were not responsible for either manufacturing or distributing the vaccine. Manufacturers and distributors had readily co-operated in seeing that bulk supplies went mainly to hospitals and local authorities, but more supplies were now going to meet doctors' prescriptions.

Postal Delays

During discussion of the Post Office dispute MR. D. SMITH asked the Postmaster General to draw to the attention of those concerned the fact that one of the consequences of the dispute would be serious delays in the parcel post, with most serious effect on the pharmaceutical industry, which sent more than 50 per cent. of its products by parcel post. Those were life-saving medicines sent to wholesalers and chemists. MR. STONEHOUSE undertook to investigate whether any special provision could be made for emergency materials that might have to be sent.

Inquiry into a Drug Company

MR. E. OGDEN asked the President of the Board of Trade if he would institute an inquiry under Section 165 of the Companies Act into the activities of Inter Continental Pharmaceuticals (Bletchley), Ltd., Inter Channel Pharmaceuticals, Ltd., and associated companies.

MR. E. E. DELL (Minister of State) replied that on January 18 the Board of Trade, under Section 109 of the Companies Act, 1967, had required the production of the books and papers of Inter Continental Pharmaceuticals (Bletchley), Ltd. Inquiries were proceeding but it was too early to decide whether the appointment of an inspector under Section 165 of the Companies Act, 1968, should be made.

MR. E. OGDEN asked the Secretary for Social Services on January 28 if he would list the names and quantities of the drugs and medicines supplied by the Inter-Continental Pharmaceuticals group of companies to the N.H.S. in the past year; what action he was taking to ensure that such supplies were of the required standard; what action he proposed to take to strengthen the law to prevent frauds and abuse; whether he would prohibit the import of drugs from Inter - Continental Pharmaceuticals (Cyprus); whether he was aware that certain doctors were purchasing drugs

from certain companies at low prices and charging them to the N.H.S. at high prices and if he would hold an inquiry into the practice; and whether he would institute proceedings under the Medicines Act, 1968, against the proprietors of Inter-Continental Pharmaceuticals (Bletchley), Ltd; Inter Channel Pharmaceuticals, Ltd., and associated companies for selling sub standard drugs and medicines.

"Not Bought By Hospitals"

MR. ENNALS replied that none had been bought by hospitals under central purchasing arrangements made by his Department, nor so far as he was aware under local arrangements made by hospital authorities. Information was not centrally available about the sources from which retail chemists and dispensing doctors bought medicines for N.H.S. dispensing; but trading by the group was not thought to have been on a large scale. If samples of poor quality or misdescribed drugs came to light, proceedings under the Food and Drugs Act might be possible. That legislation was, however, inadequate, but no action could be taken under the new Medicines Act until the relevant provisions had been brought into operation and that could not yet be done. In the meantime there was no power to prohibit import of drugs of the kind handled by the group; but should any firm market a drug without having first secured clearance by the Safety of Drugs Committee, he would have no hesitation in asking doctors and chemists — as was done in October 1968 — not to use it until clearance has been secured. Doctors did not themselves price the drugs they supplied; reimbursement was normally at standard rates.

Green Paper on Health Services

MR. M. MACMILLAN asked the Secretary of State for Social Services when he intended to publish the comments he had received on the Green Paper for the Health Service structure. MR. CROSSMAN replied that he had so far received 280 comments, many of them extremely long. He did not intend to publish them at this stage but had no objection to interested parties publishing their own.

LEGAL REPORTS

Unauthorised Sale of Adrenaline

DERBY borough magistrates recently fined Ranbys, Ltd., Victoria Street, Derby, a total of £61 and ordered them to pay £14 14s. costs after they had admitted selling adrenaline contained in Optabs; selling adrenaline from premises not registered for the purpose; selling adrenaline not under the supervision of a registered pharmacist; and selling adrenaline in a container not labelled in the prescribed manner. Mr. P. E. St. John-Howe, prosecuting on behalf of the Pharmaceutical Society, told the magistrates that there were certain substances which were designated as poisons and these could only be sold by pharmacists. Although the amount of adrenaline in Optabs was small the prosecution had been brought

to confirm a matter of principle. For the defence it was said that, as soon as Ranbys were approached by the inspector, all stocks were withdrawn.

COMPANY NEWS

Previous year's figures in parentheses

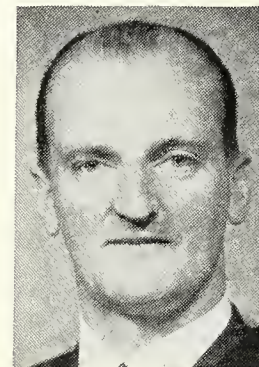
PHOTAX (LONDON), LTD.—Final dividend 13½ per cent., making total 21 per cent. (same) year ended October 31, 1968 is declared. Group net profit £73,588 (£66,740) after tax £55,108 (£55,177).

MONSANTO CO., St. Louis, U.S.A.—Preliminary 1968 results indicate a sales increase of 10 per cent. and a 10 per cent. gain in income from operations. Consolidated sales amounted to \$1,793,503,000 (\$1,637,482,000) and net income \$108,842,000 (\$98,697,000).

APPOINTMENTS

Board

WELLCOME FOUNDATION, LTD., have appointed Dr. D. A. Long and Mr. J. H. P. Upton to the board. Dr. Long, as group medical director, will be executive responsible as his deputy to Dr. D. W. Adamson (group research and development director), who continues to have overall charge of the group activities in that function. Dr. Long also becomes director of the



Dr. D. A. Long



Mr. J. H. P. Upton

Wellcome Research Laboratories, Beckenham, with responsibility for all activities there. Dr. R. S. F. Hennessey (assistant research director, Beckenham), will devote his attention to group matters. Dr. M. Weatherall, in addition to his present appointment as head, therapeutic research division, Beckenham, is appointed deputy director, Wellcome Research Laboratories, Beckenham. Dr. T. Hanley (head, clinical research department), becomes director, clinical research and remains responsible through Dr. Long to Dr. Adamson. Dr. Hanley's unit is renamed the clinical research, and remains responsible will retain his present executive post of regional manager for the Afro-Asian region and continue to reside in Beirut.

Executives

NICHOL BEAUTY PRODUCTS, LTD., have appointed Mr. D. C. Cole, B.Sc., their works manager.

LAPORTE INDUSTRIES, LTD., have appointed Messrs. H. L. Salter, marketing manager, European Economic Community; B. Rigby divisional marketing manager, organics and pigments division; and J. D. Margetts

product controller, peroxygen, general chemicals division.

Representatives

E. R. SQUIBB & SONS, LTD., have appointed Mr. C. G. T. Posford, B.Sc., their marketing representative in West Africa.

REXALL DRUG CO. have appointed Mr. M. H. Harris their sales representative for Yorkshire and Durham.

LASTONET PRODUCTS, LTD., have appointed Mr. J. A. Craig sales representative for Northumberland, Durham, Westmorland and Cumberland and Mr. R. B. McLachlan for Yorkshire.

P. B. COW (LI-LO), LTD., have appointed Mr. E. C. Norman representative for the counties of Dorset, Hampshire and the Isle of Wight and Mr. C. P. Buckle for Devon, Cornwall, Somerset and Wiltshire. Mr. J. A. Paterson (representative in the South-west) has resigned.

RORER LABORATORIES, LTD., have appointed the following representatives: Messrs. C. Fleming (for the North Glasgow area); A. Walton (North-east England); J. E. Jenkins (Northern Ireland); P. H. Morgan (Liverpool/Manchester area); V. E. Jones (Midlands); A. J. Jenkins (South Wales) and Miss C. S. MacKay (South Glasgow area).

PERSONALITIES

MR. H. E. WILSON (managing director, Group Pharmacies, Ltd., Chapel Walk, Sheffield), has resigned from that office in order to devote more attention to his pharmacy in Scarborough.

MR. J. H. P. UPTON, LL.B., recently appointed to the board of Wellcome Foundation, Ltd., has been regional manager in the Afro-Asian region of the Wellcome Foundation since 1967. From 1965 to 1967 he was the Foundation's manager in Japan and from 1962-65, assistant overseas director. He holds a practising certificate as a solicitor.

MR. GEORGE E. MANN, M.P.S., general sales manager, Parke-Davis & Co., since 1967, has retired after forty-one years' with the company. Before the 1939-45 war Mr. Mann was the company's representative in North Staffordshire and Cheshire, the East Midlands and South-west London. After



four years' war service in photographic intelligence (Royal Air Force), he became, in 1948, assistant to Messrs. P. D.'s general manager, and shortly afterwards assistant home sales manager. He was appointed home sales manager in 1949, a position he held until 1965, when he was appointed marketing manager and later general sales manager. He represented the company

on the Chemists' Federation, of which he became president in 1956, and on the Association of the British Pharmaceutical Industry, of whose ethical division he became chairman in 1961-62. He is also a member of the Pharmaceutical Society's industrial practices subcommittee.

DR. D. A. LONG, recently appointed to the board of Wellcome Foundation, Ltd. (see p. 99), is a consultant to the Institute of Cancer Research, the Royal Cancer Hospital, London, a member of the World Health Organisation Expert Advisory Panel on Biological substances, and has served on the immunological products committee of the British Pharmacopoeia. He is a recognised international authority on immuno-suppression and has been concerned particularly with the effects of hormones, nutritional factors and pharmacological agents on immune and allergic reactions. He joined the Wellcome Foundation, Ltd., in 1959 as chief medical adviser and head of the clinical research department, became director of medical research and deputy to the group research and development director in 1968.

DEATHS

CARR.—At White House, Petersfield, Hants, on January 26, Dr. Francis Howard Carr, C.B.E. D.Sc., aged 94.



Dr. Carr was a former chairman of The British Drug Houses, Ltd. From 1898 to 1914 he was chief manufacturing chemist to Burroughs Wellcome & Co., and from 1914 to 1919 a director and chief chemist, Boots Pure Drug Co., Ltd. Dr. Carr's work contributed greatly to the creation of a fine chemical industry in Britain in the first half of the century. Through him the importance of emetine as a specific for amoebic dysentery was discovered. In recent years he was the sole surviving signatory of the articles of the former Association of the British Chemical Industry (now Chemical Industries Association), and was a regular attendee at the Association's annual dinner.

EVANS. — Recently, Miss Edna Olwen Evans, M.P.S., Westbourne House, Merthyr Vale, Glam. Miss Evans qualified in 1929.

JENKINS. — On January 6, Mr. Lewis Benjamin Jenkins, M.P.S., 173 Butc Street, Treherbert, Glamorgan. Mr. Jenkins qualified in 1933.

JORDAN. — On December 25, 1968, Mr. Kenneth Ernest Jordan, M.P.S., Kenda, 7 Wyndham Road, Taunton, Somerset. Mr. Jordan qualified in 1916.

KINNAIRD.—On January 24, Mr. David Main Kinnaird, M.P.S., 50 Chase Side Avenue, Enfield, Middlesex. A native of Lossiemouth, Morays, Mr. Kinnaird qualified in 1921. Later he moved to London, his first post being

with John Bell & Croyden. Later he joined Dow Brothers, London, N.4, where he remained until his retirement in 1963.

LIDDELL. — Recently Mr. John Simpson Liddell, M.P.S., 7 Manor Crescent, Gourrock, Renfrews. Mr. Liddell qualified in 1932.

LOUGHLIN. — Suddenly at 118 Clevedon Road, Glasgow, W.2, on January 18, Mr. John Loughlin, M.P.S., 1191 Dumbarton Road, Glasgow, 4. Mr. Loughlin qualified in 1934.

SMITH. — On January 21, Mr. Lyall Gilchrist Smith, M.P.S.I., 8 Terenure Road, Dublin, Eire. Mr. Smith died in St. Luke's Hospital, Rathgar, of which he was pharmacist. Qualifying in 1929 Mr. Smith took over his father's pharmacy at Rathgar on his father's death and carried on the business up to a year ago, when he retired to devote himself to the colour photographic processing industry which he had established. He was a former president and Executive Committee member of the Irish Drug Association and was for many years the Eire representative on the council of the Photographic Dealers' Association and a former president. He was chairman of the Association's education committee.

MONK. — On January 1, Mr. Edgar George Monk, 10 Egmont Road, New Malden, Surrey. Mr. Monk qualified in 1926 and retired from the Register in 1968.

RAMSDEN. — On January 7, Mr. Rowland Riley Ramsden, M.P.S., 2 Grove House, Bushey, Herts. Mr. Ramsden qualified in 1915. He was a former chairman of the Plymouth Branch of the Pharmaceutical Society.

SAUNDERS. — Recently, Mr. John Michael Kingsley Saunders, M.P.S., 22 Francis Road, Pinner, Middlesex. Mr. Saunders qualified in 1927.

TAYLOR. — On January 3, Mr. Alistair Frederick Alexander Taylor, M.P.S., Tudor Links, Benellen Avenue, Westbourne, Bournemouth, Hants. Mr. Taylor qualified in 1922.

TINDALE.—On January 18, Mr. Joseph Tindale, M.P.S., F.N.A.O., 143 Sutton Road, Walsall, Staffs. Before his retirement Mr. Tindale was superintendent chemist-optician to Walsall and District Co-operative Chemists, Ltd. He qualified in 1925.

WOZENCROFT.—On January 21, Mr. Clifford Jack Mundy Wozencroft, F.P.S., 50 Romilly Road, Cardiff. Mr. Wozencroft qualified in 1941.

YOUNG.—Suddenly, on January 21, Mr. Samuel Young, M.P.S.I., Barnagrove, Ashbourne Avenue, Limerick, Eire. He qualified in 1931, and was chairman and managing director of J. & G. Boyd, Ltd., grocers and chemists, William Street, Limerick.

EXPANSION PROJECTS

STAGE one of a £250,000 development programme at Grimsby for Osmond Aerosol's, Ltd. (part of the Talbex Group) was officially opened on January 22. The company is planning to develop a total site area of 6½ acres on the industrial estate at Grimsby in the course of the next few years.

TRADE NOTES

Price Reduction. — Eli Lilly & Co., Ltd., Basingstoke, Hants, have reduced their price for V-Cil-K tablets. Capsules remain as in the C. & D. Quarterly Price List, December, 1968. Ampoules are not made. [Corrected note].

For Hospitals Only. — British Schering, Ltd., 225 Bath Road, Slough, Bucks, announce that their Gentecin paediatric injection is now available solely to hospitals. The injection represents a quarter-strength form of Gentamicin injectable.

Direct Orders Only. — Eylure, Ltd., P.O. Box 32, 58 Bridge Road East, Welwyn Garden City, Herts, have ceased distribution through chemists' wholesalers in England, Scotland and Wales and supplies of all Eylure products are now to be obtained only direct.

Cost Recovery on N.H.S. Hosiery. — Scholl Manufacturing Co., Ltd., 182 St. John Street, London, E.C.2, devote their full-page advertisement on another page of this issue to an explanation of the basis on which chemist contractors may recover the increase in price of "flatbed" elastic-yarn hosiery supplied under the National Health Service.

Supply Interrupted. — As the result of a fire at the Metal Box factory that produces the 2-litre pack for Aludrox, the supply of these polythene containers is interrupted for some months, say John Wyeth & Brother, Ltd., Huntercombe Lane South, Taplow, Maidenhead, Berks. As a temporary measure, 2 litres of Aludrox are being packed in the former 80-oz. glass bottles. There is no alteration in the normal 2-litre price.

A Range of Remedies for Horses. — Crown Chemical Co., Ltd., Lamberhurst, Tunbridge Wells, Kent, have opened an equine division under the direction of their veterinary surgeon, Mr. R. M. S. Neave, M.C., M.R.C.V.S. The division is marketing a range of fifteen products among which one of the most important is Equivurm, a palatable anthelmintic claimed effective against both the ascarid and the strongyle worms in horses.

Plastic for Glass. — R. P. Drugs, Ltd., 332 Meanwood Road, Leeds, 7, are discontinuing the use of glass bottles and packing their tablets in polythene Securitainers. First product affected is tab. imipramine, 25-mgm. and 10-mgm. Where possible hospital and export orders are being met with the new packs this month. Some time is expected to elapse before the full range of products is included in Securitainers.

Change of Name and Design. — Nicholas Laboratories, Ltd., 225 Bath Road, Slough, Bucks, announce slight changes of name and outer pack design to aid differentiation between their new eye and ear drops. Gentisone HC ear drops replace Gentisone ear drops and the amended name appears on the end flaps of the carton. Main faces show the name in black print and bear an ear symbol. Gentisone HC contains 0.3 per cent. gentamicin (3,000 units per mil), plus 1 per cent. hydrocorti-



sone acetate as a sterile dispersion in a 10-mil dropper bottle. Genticin eye drops replace Genticin eye/ear drops. The amended name appears on the end flaps and main faces in white print. Main faces also bear an eye symbol. Genticin contains 0.3 per cent. gentamicin as a sterile aqueous solution in a 10-mil dropper bottle.

Reprinted. — Many requests have been received for reprints of "Drug Interactions Tabulated," summarising types of therapeutic incompatibility likely to be encountered by pharmacists preparing medicines on prescription. To meet those requests reprints are being made available at a price of 1s. 4d. each, including postage. (1s. 2d. each for twelve or more). Orders (prepaid) should be sent to the Publisher, THE CHEMIST AND DRUGGIST, 28 Essex Street, Strand, London, W.C.2.

Additional Packs. — BAYER PRODUCTS, Co., Winthrop House, Surbiton, Surrey, are extending their range of Hypaque presentations to include Hypaque 45 per cent., 30-mil ampoules in box of twenty; and Hypaque, 25 per cent., 350-mil solution in transfusion bottle. — BRISTOL LABORATORIES, LTD., Stamford House, Langley, Slough, Bucks, have introduced a 500-mil pack of Telotrex syrup. The makers remind chemists that demand can be anticipated for Telotrex syrup should the threatened epidemic of Hong Kong influenza materialise.

Bonus Offers

CROWN CHEMICAL CO., LTD., Lamberhurst, Kent. Equivurm. Two free holpots (enough to dose 900 lb. live-weight) on every two doz. ordered.

RAVIKA, LTD., 2a Tottenhall Road, London, N.13. Black Forest bubble bath. 1-lb. bottle. Thirteen invoiced as twelve.

Premium Offers

NATIONAL PHARMACEUTICAL UNION (Distributors: Maws Pharmacy Supplies, Ltd., Barnet, Herts). Professional tooth-paste. Pack of seventy-five Nu-Soft tissues free with every tube, either size. While stocks last.

MAWS PHARMACY SUPPLIES, LTD., British Cod Liver Oils (Hull & Grimsby), Ltd. Banded offer Maws polythene Dinky feeder with sample bottle of Seven Seas mixable mint-flavour cod-liver oil and Seven Seas product information leaflet. Available in outers of twelve.

Competitions

JOHNSON & JOHNSON, LTD., Greater London House, Hampstead Road, London, N.W.1. In the company's modern furniture contest Mrs.

Orgill, 24 Relston Walk, Eastwood Estate, Middleton, Leeds, 10, won first prize.

Metricated

ARMOUR PHARMACEUTICAL CO., LTD., Hampden Park, Eastbourne, Sussex. Syrtussar cough syrup. 120-mil. and 1-litre packs replace present 4-oz. and 40-oz. packs. Panar granules. Bottles of 100 gm. and 500 gm.

Trade Shows

JACKEL & Co., LTD. (Scottish division), Shuna Place, Maryhill, Glasgow, N.W. GLASGOW: Lorne Hotel, February 3-6; EDINBURGH: Royal British Hotel, February 10-13.

Discontinued

ABBOTT LABORATORIES, LTD., Queenborough, Kent, Vi-Daylin, 80 oz. and Calcidrine syrup, 40 oz. (90-mil and 16-oz. sizes of Vi-Daylin and 4-oz. and 80-oz. sizes of Calcidrine syrup continue available).

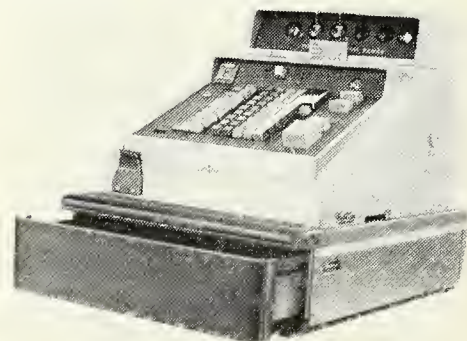
H. J. HEINZ CO., LTD., Hayes Park, Hayes, Middlesex. "Junior" apples, in jar (from March); "Junior" fish and macaroni.

JOHN WYETH & BROTHER, LTD., Plastules plain 500 and Plastules liver 250 (packets of 100 Plastules plain and 100 Plastules liver now supplied against all orders.)

EQUIPMENT AND ACCESSORIES

Ten-key Adding Machine. — Interlocks on the new Monroe 150 electric 10-key adding machine prevent simultaneous depression of more than one key. The number keys and the plus bar are concave for sure touch and in the middle, for extra speed, there are keys which enter one, two or three zeros with one keystroke. A two-colour ribbon allows subtract items and negative totals to be printed in red. Costing £79 10s. the Monroe 150 is available from Litton Business Systems, Ltd., Airport House, Purley Way, Croydon, Surrey.

Special Terms for Cash Registers. — Models in the range of Hasler cash registers are being offered by the trade distributors, D. Geller (Business Equipment), Ltd., 15 Percy Street, Tottenham Court Road, London, W.1, to members of the National Pharmaceutical Union at a discount of 10 per cent. on orders received direct or through the Union. Hasler cash registers are manufactured in Switzerland and possess, the distributors claim, many features not normally incorporated in machines of similar cost. Model SE 11, a single-total, receipt-issuing itemiser, including decimal conversion, costs £265, four-total version, £379.



DUAL-CURRENCY CASH REGISTER: One of the new Regna dual currency Cash registers with electronic light indicators which, at the flick of the switch on the right-hand side of the machine, can be changed over from £s.d. to the new £ decimal system and back. Address: Adwell House, Armadale Road, Feltham, Middlesex.

NEW PRODUCTS AND PACKS

PHARMACEUTICAL SPECIALITIES

Spatula Now Plastic.—International Chemical Co., Ltd., Chenies Street, London, W.C.1, are substituting a plastic spatula for the wooden spatula at present included in the cartons of their depilatory products Immac cream and lotion. The clear plastic spatula, with "Immac" imprinted on it, is described as "handy and flexible, providing the consumer with a more efficient use of the product."

Additions to Range.—Pharmax, Ltd., Crayford, Kent, have added to their Opulets range of eye and ear preparations in sterile single-dose droppers Opulets chloramphenicol eye and ear drops (chloramphenicol 0.5 w/v) in packs of fifteen and 250; chloramphenicol eye and ear ointment (chloramphenicol 1 per cent. w/w) in packs of fifteen and 250; hydrocortisone/neomycin eye and ear ointment (hydrocortisone acetate 1.5 per cent. w/w; neomycin 0.5 per cent. w/w) in packs of fifteen and 250; and physostigmine eye drops (physostigmine (eserine) salicylate 0.5 per cent. w/v) in pack of 250.

VETERINARY SPECIALITIES



BRIGHT NEW PACKS: Packs just introduced by British Cod Liver Oils (Hull and Grimsby), Ltd., Hull, for the 1-gall. and 5-gall. sizes of Super Solvitax and Solvitax veterinary cod-liver oils for both home and export markets. On the new export Super Solvitax packs the product information is printed in English, French, German, Swedish, Italian, Spanish and Finnish.

BABY FOODS

New "Junior" Variety.—A new variety in the baby food range of H. J. Heinz Co., Ltd., Hayes Park, Hayes, Middlesex, is "junior" creamed fish dinner. "Junior" chocolate pudding is renamed "junior" chocolate pudding with tapioca.

CONFECTIONERY

Swiss Herb Candy.—A Swiss product now introduced to the United Kingdom market by Chocolat Tobler, Bedford, is Ricola herb candy (2s.), claimed market leader in Switzerland with 34 per cent. of the total herb confectionery market. Pack features coloured pictures of the ten herbs contained in the sweets — coltsfoot, sage, yarrow, primula vulgaris, ribwort plantain, thyme, burnet saxifrage, peppermint,

mallow and elder. Each bag has a sealed plastic inner lining to maintain freshness and give a good shelf life, and the cubes are individually wrapped. Special display outers, showcards and sales leaflets have been produced.

COSMETICS AND TOILETRIES

Lacquer-free Hair Spray.—A new hair spray, Trend, "with the natural hold, so that hair moves freely yet is controlled," has been launched by Bellair Cosmetics, Ltd., 65 Grosvenor Street, London, W.1. It contains no lacquer "so there is no sticky film and it brushes out easily." Trend hair spray is in 80-gm., 120-gm. and 320-gm. sizes.

A New Foundation Cream.—A new foundation cream "specially created to give to the skin a very natural look," is being launched by Guerlain, Ltd. Named Transfluid, the preparation is fine and covering; it has the consistency of a tinted milk and is light, smooth and hydrating. It has a matt finish and may be worn without powder. Transfluid is available in *Clair*, *Doré* and *Bronzé* shades to suit every complexion and tone with every change of season. Pack (33s.) is a fluted glass jar topped in gold and white and containing 28 c.c.

Nail "Fortifier" and Mending Fluid.

— First of two new products from Revlon International Corporation, 86 Brook Street, London, W.1, is a nail fortifier, Wonder Nail (25s.), that "penetrates nails with exclusive, proteinised conditioners", helping them to withstand splitting, peeling or breaking. Under a "Wonder Nail plan" the product is applied morning and evening each day in the first week, three days a week from second to fourth, and once weekly thereafter. Second product, Mend-a-nail (17s.) is a first-aid pack of mending fluid, tissues and cuticle stick packaged for quick repairs in sudden emergencies. It contains fast-drying mender fluid and perforated tear-resisting tissues in two sizes.

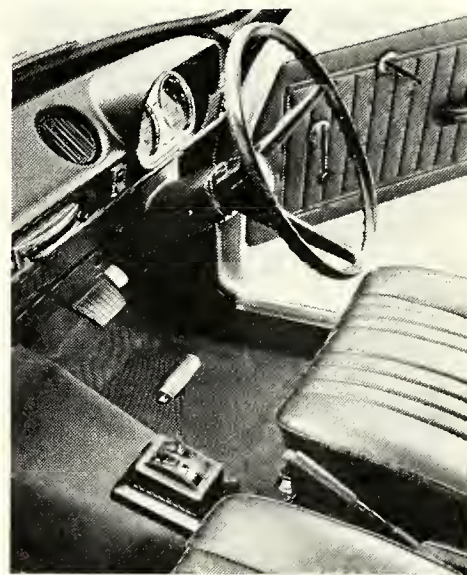
"Problem-hair" Shampoo.—A new Sunsilk shampoo variant, "herb shampoo for problem hair," was introduced during January by Elida, Ltd., Hesketh House, Portman Square, London, W.1. It is the outcome of research which showed that many young women in the 16-24 age group have hair problems which they do not feel are catered for by the normal range of shampoos for dry, normal, greasy and dull hair. Their problems are caused by hair that has been over-coloured, over-permed, over-bleached and over-backcombed. Elida's solution to the problem is a shampoo containing extracts from seventeen herbs, including chamomile, coltsfoot, wild thyme, sage and stinging nettle. Its "richer, thicker" lather conditions and puts buoyancy and health into the hair, leaving it shining, silky, easy to manage, and fragrant. From February to April thirty-second "commercials" on all television stations will feature the new shampoo, and up to twenty spots a week on Radio Luxembourg



will introduce it in recordings by Derek Nimmo. A wide range of display material is available (composite counter unit, dumper bin headboard, wrap-around shelf strips and shelf "wobblers"). The shampoo may be bought in sachets and in standard and magnum bottles (elevenpence, 3s. 1d. and 4s. 9d.).

TRANSPORT NOTES

Automatic Light Vans.—Automatic transmission versions of the Escort-based 6 and 8-cwt. light vans have been introduced by Ford Motor Company Ltd., Brentwood, Essex. The vans are claimed the first British light vans with two-pedal control. The automatic gearbox is the Borg Warner 35 model already fitted in Ford light and medium car models and Transit medium van range. The unit adds £68 to the cost of the 1300-c.c. 8-cwt. de-luxe van, giving a basic recommended retail price of £591 (delivered). In the 6-cwt. van the automatic transmission is available only with the performance package of 1300-c.c. engine and servo-assisted disc front brakes (price £549 10s. delivered).



Automatic transmission in the Escort van embodies a "T" bar drive-selector shown fitted in the 8-cwt. de-luxe model.

BRANCH EVENTS

SOUTH SHIELDS

Planetarium Visit

MEMBERS of South Shields Pharmacists' Association on January 20 visited the planetarium at the South Shields Marine and Technical College. About thirty pharmacists and students attended. They were addressed by Mr. R. Darby, lecturer in charge of the planetarium.

PLYMOUTH

Local Talent Displayed

PLYMOUTH Branch of the Pharmaceutical Society had a record attendance at its now annual "secretary's convivial evening." Theme, apart from jollification, was "discoveries, or latent talent," and it produced many surprises. The REVEREND TREVOR MORLEY (who once qualified as a pharmacist) gave a sermon as the pompous "Bishop of Pharmacotopia" and MISS JACKSON a discourse in the fast-dying Devonshire dialect. MR. A. ALLEN described the lure of sea angling, illustrating his talk with rods, lines and other gear. The chairman (MRS. H. K. CHANTER) demonstrated exercises in preparation for a ski-ing holiday and MR. D. HAWKINS gave a show of conjuring and card play. MR. LESLIE SIMPSON showed a film of the "summer olympiads" held by Plymouth pharmacists, and Mr. G. GORMAN related anecdotes, experiences and stories. *Compère* was MR. "TONI" ALLEN. The Branch also held recently its first children's Christmas party, which was so well received it is likely to become a yearly occasion. The party was arranged by the ladies' committee. MR. H. A. ROWE was the M.C. and MR. MERVYN MADGE (Branch secretary) was Father Christmas.

ROMFORD

Celts Among the East Saxons

AN unashamed dispensing doctor was proposer of the toast to the Pharmaceutical Society at the twenty-fourth annual dinner and dance of the Romford Branch of the Society on January 15. Being now, however, deputy county medical officer for the county of Essex, DR. R. D. PEARCE was by way of being a "reformed character." He had been taught, he said, to dispense with great precision (though some of the examples he cited would suggest that, as a non-pharmacist, his training had wisely been kept to a few simple medicines). Dr. Pearce went on to show himself a master of Scots dialect, thereby providing a Celtic contrast not only to the responder (Council member MR. D. H. MADDOCK, Cardiff) but also to the proposer and seconder of the toast to the guests (Branch chairman MR. D. R. DAVIES); and MR. E. O. HOWELLS), all Welshmen. Mr. Maddock, who was at one time within the branch area (through being on the staff of May & Baker, Ltd., Dagenham) acknowledged a great debt to the Romford Branch. It was there, he said, that his interest in pharmaceutical politics had been awakened. His "last significant contact" with the branch had been at the Cardiff meeting of the British Pharmaceutical Con-

ference, when he had spent some time with the Branch chairman, the Mackenzies and Mr. R. E. Frizzell. As a Council spokesman Mr. Maddock said the Medicines Act deserved a warm welcome from members of the Society, because among other things it recognised the pharmacist as a specialist in his own field. Pharmacists

should be encouraged to make their full contribution to the health of the nation. After the toasts MR. FRIZZELL showed his usual *panache* in appealing for the Society's Benevolent and Birdsgrove House funds, and had later on in the evening the satisfaction of seeing £85 raised for them. Dancing ended at 12.30 a.m.

Correspondence

Explanation Demanded

SIR,—I am told by Ucal, Ltd., that they are having trouble supplying me with Pfizer products, the reason being that Messrs. Pfizer do not consider a Ucal order of £1,500 to be sufficiently large, and will not supply. Instead, they advise Messrs. Ucal to instruct their customers to obtain Pfizer products elsewhere. Who, for heaven's sake, do Pfizer think they are? And if they feel they can be so independent then I assert it is high time they were taken to task and a few home truths pointed out to them. The obvious next steps are that Messrs. Pfizer will tell us where we have to buy, not only "ethical" products but also all the other pharmaceutical lines in which they have an interest—T.C.P., etc. I would be interested to see in your columns an explanation from Mr. Sharp (marketing director of Pfizer, Ltd.) justifying his opinions and explaining how his company are assisting in the overall availability of their products.

DONALD R. SLATER,
Swindon, Wilts.

Pharmacists Penalised

SIR,—Two prescriptions were recently returned to me by the pricing bureau, as an endorsement and signature from the doctor were needed. One called for thirty-six Panasorb tablets, which I endorsed "3 x 12," as I dispense these about once in three months. However, my endorsement had been crossed out, and the prescription priced on the basis of the 250 pack. The second prescription was for "12 x 2 mil" Mersalyl, which is infrequently dispensed here, and I therefore endorsed the prescription "2 x 6 amp pack;" that endorsement was also ignored. But for the fact that the prescriptions were returned to me for signature by the doctor, I should have been unaware that they had been reprimed by the bureau. One is left with the impression that there could be many alterations to pharmacists' endorsements, and that the spot check by our representative is totally inadequate. It would seem that the list of agreed packs is not revised in order to conform with dispensing trends. Instead of penalising the pharmacist, why should not our representatives request the Minister to compel manufacturers to use the standard pack, as they do in enlightened countries (for example Australia). The Panasorb example illustrates the ridiculous packing situation: no pack between twelve and 250. It would seem that all regulations passed are restrictive and uneconomic to the pharmacist, while making life easier and more lucrative for the large drug firms. For example, the new regula-

tions regarding the metric system, whereby the pharmacist must supply spoons. Why must we supply droppers for Auralgin, when the onus should be on the manufacturer. (Even the ice-cream manufacturer does not expect one to eat his product with one's fingers). In failing to supply spoons or droppers the manufacturer makes extra profit at the expense of the pharmacist, whose remuneration is an insult (1/100th of a penny, indeed!). The private pharmacist (the one-man pharmacy) has grown weary in the fight for justice and a little appreciation. Businesses are closing down as there is not a fair return for money and hard work invested, which actually subsidise the Health Service. I earnestly pray that, somewhere within our ranks, there will be found a character willing to do battle on our behalf. No other profession—no worker on the shop floor—would tolerate the treatment meted out to the pharmacist.

E. F. STRATTON,
Cowes, I.O.W

No Offence Intended

SIR,—Referring to my letter published in your issue of January 18, I have received a number of letters from old-timers all of whom seem to be in full agreement with what I had to say; I will reply to each individually in due course. However, the last paragraph of my letter appears to have upset a locum who worked for me towards the end of my career in Twyford—Mr. E. J. Haylock, of Cookham, Berks, who not only did an excellent job of work but who charged a fee much lower than £50 per week. I well remember on one occasion I offered him a few guineas for three days work and he said "make it pounds, not guineas." I would like to apologise to Mr. Haylock (and any other locum who worked for me during 1968) for any misunderstanding. I was only once completely dissatisfied with a locum and he was discharged because he drank during the lunch hour and made a serious error in labelling. That was some years ago.

G. H. PATRICK,
Twyford, Berks

Source Unknown

SIR,—Unprecedented demand for "Pink's Medicinal Compound" apparently for curing freckles and protruding ears, source of supply unknown to me.

I. M. A. NUTTER

Appreciated

It has been a pleasure to read my weekly copy of THE CHEMIST AND DRUGGIST, and many thanks for all the valuable information I have got through the years. — C.F.G.

Winter
has
its
bright
side

Snow and rain, colds and coughs.
Very depressing. But at least
business is bright. Plenty of
people will be in asking for
Minadex. Pleasant, stimulating
Minadex is so often
recommended for all the family
when winter undermines their
health. So winter is no time to be
caught with your shelves empty.
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yourself a generous margin, why
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your next Glaxo Discount Parcel?

Minadex

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Road, Liverpool 9. Tel: 051-525 7351 ● Elnora Products Ltd., 221 Goswell Road, London, E.C.1. Tel: TER 1454 ● Flaxman & Davies (Wholesalers) Ltd., 23 Walter Road, Swansea. Tel: 59380 ● Gibbs (Bristol), Branch of Vestric Ltd., P.O. Box No. 81, 31/34 Portland Square, Bristol 2. Tel: 292211 ● Gibbs (Paignton), Branch of Vestric Ltd., Manor Avenue, Paignton. Tel: 58539 ● Brown Gray Ltd., Cambuslang Road, Cambuslang. Tel: 6474463 ● C. W. Green (Wholesale), The Drill Hall, High Street, Ramsey. Tel: 2581 ● The H.T. Drug Co. Ltd., Queen Street, Whitehaven. Tel: OW 46 3791 ● Hall Forster & Co. Ltd., Temple Street, Newcastle-on-Tyne. Tel: 29111 ● W. & R. Hatrick, Branch of Vestric Ltd., Alma Street, Glasgow. Tel: 041 DOU 6001 ● S. Haydock & Co. Ltd., 19/25 North Derby Street, Belfast B.T. 15. 3.H.R. Tel: 744281 (3 lines) ● William Jackson, 24 Rose Street, Fountain Road, Hull ● Rowland James, Branch of Vestric Ltd., P.O. Box No. 13, 125 Gors Road, Swansea. Tel: OSW 2 53271 ● Rowland James, Branch of Vestric Ltd., P.O. Box No. 16, 3 Dyfrig Road, Ely. CF 1 4 JU. Tel: OCA 2. 74822 ● Jaynox

(Stoke-on-Trent) Ltd., Jaynox Works, King Street, Longton, Stoke-on-Trent. Tel: 32061. Branches at Swinton, Blackpool, Sutton Coldfield ● Johnston & Adams, 66 Lorne Street, Lochee, Dundee. Tel: 69297 ● Kuros Ltd., Church Street, Ballymena, Co. Antrim ● L. Landaw & Co. Ltd., 1-7 Rostrevor Mews, Rostrevor Road, Fulham, London, S.W.6. Tel: 01-736 1122 ● I. Levy & Son (Manufacturing Agents), 22A Islington, Liverpool 3. Tel: North 0706 ● W. R. Lock & Sons Ltd., 298-304 Charminster Road, Bournemouth. Tel: 54370 ● Lofthouse & Saltmer, Branch of Vestric Ltd., Stoneferry Road, Hull. Tel: OHU2. 24781 ● Thos. McMullan & Co. Ltd., 224A Castlereach Road, Belfast 5 ● A. J. McWaters & Co. Ltd., 54 Hammond Street, Preston. Tel: 56014 ● Macton, 25 Cardiff Road, Taffs Well. Tel: Taffs Well 432 ● Mawson & Proctor Pharms. Ltd., St. Crispin Buildings, Low Friar Lane, Newcastle-on-Tyne. Tel: 297551 ● Middletons Branch of Vestric Ltd., 373 Cannon Street, Middlesbrough. Tel: OMH 2. 44361 ● Mignano Ltd., 2 Clunbury Street, Cherbury Street, London, N.1. Tel: SHO 7280 ● John Miller, Branch

Cumulative price changes

AMENDING C & D
QUARTERLY PRICE LIST
FOR DECEMBER 1968

HOLD ON TO THIS SUPPLEMENT!

It contains information
that will not be repeated

(Note: If you lose a sheet, please apply to the Publisher for a replacement.)

To know whether a product has changed in price since the current Quarterly Price List appeared, look at the index which follows. If the product is listed, turn to the page number indicated. If not, turn to the Q.P.L. itself for the price of the product.

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AMENDMENTS TO KEY TO SUPPLIERS

27 Alcona=Alcona Products, Ltd., 1 Grenville Road, London, N.19. 01-272 4618.
47 Anestan=Anestan, Ltd., Rankine Road, Daneshill West, Basingstoke, Hants. 0256-25051.
201 Brunton=Bruton Chemists, Ltd., 50 Jesmond Road, Newcastle upon Tyne, NE2 4PQ. Newcastle 811243.
210 B & C Butler & Crispe, Ltd., 1 Glyn Street, London, S.E.11. 01-735 9494.
319 CLL=Creighton Laboratories, Ltd., Water Lane, Industrial Estate, Storrington, Pulborough, Sussex. Storrington 3452.
350 Dana=Dana Sales Ltd., 19 Grosvenor Street, London, W.1. 01-493 0311.
357 DS & H=Day, Son & Hewitt, Ltd., 25 Auckland Street, London, S.E.11. 01-735 0071.
512 GF=Giles Farnaby of London, Ltd., 143 New Bond Street, London, W.1. 01-499 5566.
710 Knox=Knox Laboratories, Ltd., 4 Arundel Street, London, W.C.2. 01-836 5692.
819 McY=McClure, Young & Co., 25 Auckland Street, London, S.E.11. 01-735 0071.
973 Pharmitalia=Pharmitalia (U.K.), Ltd., Kingmaker House, Station Road, Barnet, Herts. 01-440 7171.
988 Pollen=Pollen Products, Ltd., 841 High Road, London, N.12. 01-445 8911.
1092 Saga=Saga of Bond Street, Ltd., 457 Edinburgh Avenue, Slough, Bucks. Slough 30424.
1317 Westberry=Westberry (Brixham), Ltd., Churchill Court, Brixham, S. Devon. Brixham 3706.
1482 NP=Nationwide Pharmaceuticals, Ltd., 25 Auckland Street, London, S.E.11. 01-735 0071.
1488 LC & C=Leopold Charles & Co., Ltd., 233 Shaftesbury Avenue, London, W.C.2. 01-836 2024.
1520 IPM=Interfran Product Management Sunley House, Bedford Park, Croydon, Surrey. 01-686 7345.
1529 PP=Please Petfoods, Ltd., 165 The Crescent, Chalvey, Slough, Bucks. Slough 24343.
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		Plastic Research &	15	Stanwoods Proprieties, Ltd	17	A. Wander, Ltd.,	34
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William Oliver's (Rubber),		Polaroid (U.K.), Ltd.,	19	Stewart, Goodall & Dunlop,	17	William R. Warner & Co.,	18
Ltd.,	14	Potter & Clarke, Ltd.,	24	Ltd.,	17	Ltd.,	
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J. L. Perl, Ltd.,	14	Division,	25				

THIS WEEK'S CHANGES

Prices are given in the sequence Trade Price per Doz.; Purchase Tax per Doz.; Retail Price. Bold upright figures (2 9) in the retail price column indicate that the price is subject to resale price maintenance; italic figures (2 9) that it is recommended by the manufacturers; and light upright figures (2 9) that it is "notional" as a guide to the retailer in determining his own retail price.

I Arlef (938 PD) †s48					
D Bardase (938 PD)					
liquid					
Beecham's (104 8P)					
A powders	20 6	7 6½	2 10		
	41 0	15 0½	5 8		
	57 4	21 0½	7 11		
tablets	20 6	7 6½	2 10		
	41 0	15 0½	5 8		
A Bislumina (824 MCP)					
suspension 12oz	106 0	39 0	16 6		
tablets:	50 90 0	33 0	14 0		
dp 250	32 10ea	12 0ea	61 3		
I Bodryl (938 PD) †s7					
D Carbrital (938 PD)					
elixir					
D Cardinelli (266 C8P)					
I Cardinelli (226 C8P)					
A Cassells (Dr.) (104 8P)	49 7	—	5 4		
tablets					
A Cephos (104 8P)	20 6	7 6½	2 10		
powders	20 6	7 6½	2 10		
tablets					
Cow and Gate (307 C & G)					
• low calcium food	14oz 94 6	—	10 6		
• low lactose food	14oz 94 6	—	10 6		
D 12oz packs	—	—	—		
A Dactil (824 MCP)					
tablets	50 16 8ea	—	25 0		
	500 151 8ea	—	227 6		
with phenobarbitone	†s1s4A 50 17 6ea	6 5ea	32 8		
A Dexten (894 Nicholas) †s48					
tablets	30 42 0	—	5 3		
	250 25 9ea	—	38 8		

A Dinneford's (104 BP)	25 11	9 6½	3 7		
magnesia					
A Distalgic (378 Dista) †s1	100 11 1ea	—	16 8		
tablets	500 50 1ea	—	75 2		
• Efferdent (721 LC)					
tablets	18 18 4	6 9	2 7		
	28 27 6	10 1	3 11		
A Femerital (824 MCP)	50 100 0	37 0	15 7		
tablets					
Fynncn (104 BP)	28 4	10 5	3 11		
A salts					
A Gastrovite (824 MCP)	50 50 0	—	6 3		
tablets	250 16 8ea	—	25 0		

A = Price Advanced
R = Price Reduced
• = New entry
D = Delete
C = Correction
I = Insert

Genticin (187 B5) T5					
• injection paediatric	6 58 0ea	—	87 0		
vials					
Guerlain (548 Guerlain)					
• transfluid	28cc	—	33 0		
A Hall's (1511 IW)					
wine	½ bott 102 3	—	10 6		
	bott 192 0	—	20 0		
	large 242 3	—	25 0		
D Hexital (922 Ortho) tablets					
Hypaque (97 Bayer)					
• ampoules 45%	20 226 0ea	—	—		
30mils					
• bottle 25%350 mls	68 6ea	—	—		

A Iron Jelloids (104 8P)	49 7	—	5 4		
tablets	83 8	—	9 0		
A Kelferon (824 MCP)					
tablets	100 38 0	—	4 9		
	1000 24 0ea	—	36 0		
	5000 106 0ea	—	159 0		
A Kelfolate (824 MCP)					
tablets	100 68 0	—	8 6		
	1000 41 0ea	—	61 6		
D 5000	—	—	—		
• Medihaler-duo (1061 Riker) †s48	17 0ea	6 3ea	31 9		
400 dose					
A Melolin XA (115 5 & N)					
dressings					
2in X 2in wrapped	100 16 9ea	—	25 2		
4in X 4in wrapped	100 38 0ea	—	57 0		
A Methotrexate (746 Lederle)					
tablets 2.5mgm	100 64 6ea	—	96 9		
A Methotrexate Parenteral (746 Lederle)					
ampoules vial					
5mgm	12 10ea	—	19 3		
50mgm	37 0ea	—	55 6		
Morgan's (861 MPC)					
• hair darkening					
cream	tube 40 0	22 0	7 6		
D jar	—	—	—		
Mum (172 8MCL)					
• Fresh & Dry	49 4	27 1	7 9		
	71 8	39 0	11 3		
Opulets (972 Pharmax)					
eye drops					
• physostigmine	0.5% s1 250 units	78 0ea	—		
eye/ear drops					
• chloramphenicol	0.5% T5 15 units	4 11ea	—		
	250 units	78 0ea	—		
eye/ear ointment					
• chloramphenicol	1.0% T5 15 units	3 9ea	—		
	250 units	59 6ea	—		
• hydrocortisone/					
neomycin T5	15 units	3 9ea	—		
	250 units	59 6ea	—		

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Tile Hill, Coventry. Tel: Tile Hill 65252.

New product announcement

medihaler duo

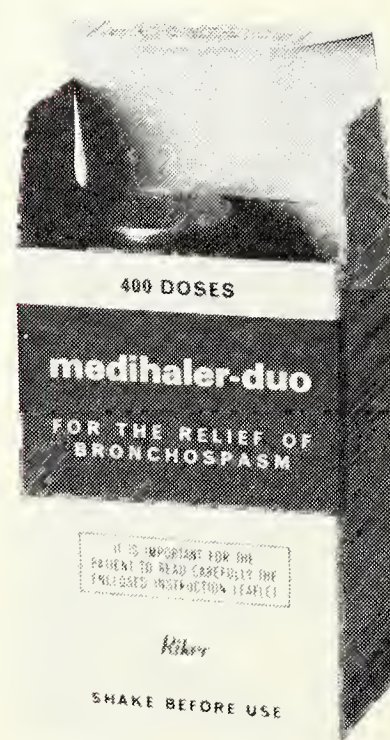
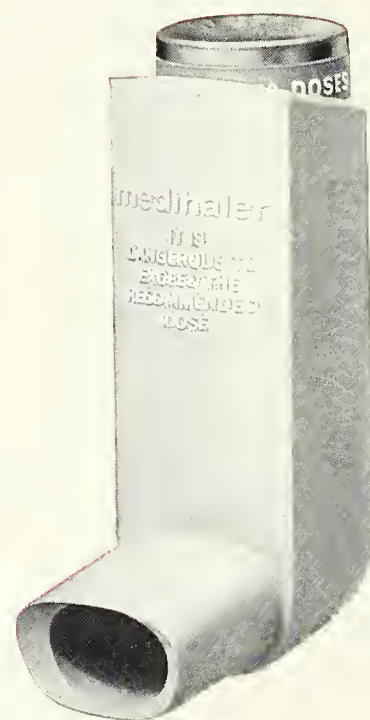
Optimum response from small and infrequent dosage without significant changes in pulse or blood pressure—these are the major features of treatment with *Medihaler-duo*, a new bronchodilator aerosol introduced by Riker Laboratories.

Medihaler-duo provides the complementary actions of two agents—isoprenaline hydrochloride and phenylephrine bitartrate—to give instant and sustained relief of bronchospasm with little, if any, effect on the cardiovascular system. It delivers to the patient 400 measured doses each containing:

0.16 mg. isoprenaline hydrochloride
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Medihaler-duo is indicated in bronchial asthma, chronic bronchitis and emphysema. It is available from Monday, 3rd February 1969. Standard pack (400-dose complete unit) costs 17/- basic N.H.S. plus purchase tax. Poisons regulations: Schedule 4B.

Riker Laboratories,
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For Retailer, Wholesaler and Manufacturer

ESTABLISHED 1859

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Need for World Drug Control

A RECENT report by the Expert Committee on Drug Dependence of the World Health Organisation has reaffirmed the opinion expressed in previous reports that "cannabis is a drug of dependence, producing public health and social problems and that its control must be continued." At the same time it has called for more basic data on the acute and chronic effects of cannabis and society; there is no medical need for cannabis, the report points out, yet the non-medical use of the drug persists in many countries.

The committee suggests that the strictest control should be applied to the tetrahydrocannabinols, which are important constituents of cannabis, and goes on to recommend that similar controls should be applied to LSD, which has no use in medical practice and carries a high degree of hazard to the public health. It should be available only for scientific research.

Drug dependence is defined as "a state, psychic and sometimes also physical, resulting from the interaction between a living organism and a drug, characterised by behavioural and other responses that always include a compulsion to take the drug on a continuous or periodic basis in order to experience its psychic effects, and sometimes to avoid the discomfort of its absence. Tolerance may or may not be present. A person may be dependent on more than one drug."

The report outlines the following conditions for determining the national action to be taken for the control of drugs:

That the drug is known to be abused other than sporadically or in a local area and that the effects of its abuse extend beyond the drug taker;

That its mode of spread involves communication between existing and potential drug takers and an illicit traffic is developing;

That it is planned to use the drug in medicine and experimental data show that there is significant psychic or physical dependence liability;

That the drug is commercially available or is likely to become so.

International control of a drug must be based upon two major considerations, namely the degree of risk to public health and the usefulness of the drug in medical therapy. The Committee considers that various levels of control are necessary and that the provisions should be flexible, the strictness of control being proportional to the risk to public health.

The report points out that about 100 so-called narcotic drugs are now under international control because of the danger they present to public health, and that,

without waiting for international action, other drugs of dependence have been placed under national control by some governments, particularly certain hallucinogens and sedatives.

Pharmaceutical Exports Hit Peak

ALTHOUGH the value of United Kingdom exports of medicinal and pharmaceutical products, after a good start, eased off rather more than usual during the summer months of 1968, they picked up again later and ended by registering for the year an "all-time-high." At £88,572,000 they were £16.8 million more than in 1967 and, with medicated and non-medicated surgical dressings (section 54), put the total, at £96,104,000, about 23 per cent. up on 1967. Those figures are given in the Overseas Trade Accounts (H.M. Stationery Office, price 30s.). Figures for a number of pharmaceutical chemicals (such as barbiturates, aspirin and sulphonamides when shipped in bulk) are not included by the Board of Trade in the division, but are in the accompanying table, together with the divisional "break down" for December 1968 and the years 1968 and 1967. Shipments of pharmaceuticals, etc., excluding dressings during December, were valued £7,408,000 and with dressings, £8,149,000.

Biggest single market for U.K. exports was again the republic of Ireland, which took goods valued at £5,275,000, followed by Australia with £4,890,000. France and Japan were other markets that took pharmaceuticals to the value of over £4 million each.

Imports of medicinal and pharmaceutical products at £19,446,000 were also up by 23 per cent. on 1967, more than one-quarter of them coming from Western Germany. Imports from that country exceeded by £2.1 million sales in the reverse direction. Sales to the second largest supplier of imports into the United Kingdom (the United States) on the other hand exceeded imports by £622,000.

EXPORTS	Dec. 1968	Year 1968	Year 1967
	£'000	£'000	£'000
Vitamins in bulk	200	2,807	2,207
products	91	1,309	1,182
Antibiotics			
penicillin in bulk...	347	2,795	2,367
injections	553	8,509	5,497
tablets, ointments, etc. ...			
other antibiotics in bulk ...	483	5,502	5,340
products	724	8,470	6,684
Alkaloids in bulk	160	2,432	1,558
products	26	315	261
Hormones in bulk	58	1,209	2,006
products	372	6,440	4,388
Glycosides	25	257	268
Organotherapeutic glands, etc.* ...			
in bulk	4	255	205
products	12	142	159
Sera and vaccines	253	2,696	2,029
Aspirin in bulk	42	685	466
products	56	564	404
Antihistamines, products	71	965	738
Antipaludic products	84	737	707
Barbiturates in bulk	36	527	651
products	33	321	281
Ointments, liniments*	71	1,074	923
Surgical dressings	741	7,532	5,948
Sulphonamides in bulk	77	1,349	1,301
tablets	40	561	571
other products	25	649	401
Proprietary medicines	2,095	24,238	22,410
Unclassified medicines	1,624	16,385	11,154
Glycerin	77	840	679

IMPORTS

Vitamins	104	1,658	991
Antibiotics	224	3,777	3,567
Alkaloids	89	1,209	1,056
Glycosides, glands, sera, vaccines...	124	872	846
Proprietary and veterinary medicines	373	8,507	6,726
Other pharmaceutical products ...	192	3,422	2,613
Ipecacuanha root	21	105	90
Menthol	12	486	487
Iodine	72	607	604
Opium, crude	157	966	839

*Not elsewhere specified.

No Relief for Costs of Decimalising

THE White Paper "Decimal Currency: The Change-over" (H.M. Stationery Office, price 2s. 6d.), published recently, gives no new information on the subject save that there will be no compensation of any kind for the cost of switching machines, etc. The Government had already ruled out any general compensation scheme, but had hinted at an earlier stage that it would consider compensation "in special cases." Evidently, however, the Decimal Currency Board, which had been charged with the task of considering such applications, found it impossible to sort the wheat from the chaff. A compensation scheme confined to special situations, would, they said, be "undesirable in principle and . . . inequitable and inefficient in practice." That must have been a welcome recommendation to the Chancellor of the Exchequer, but it is less so to the retailer, particularly the small one.

The White Paper gives official recognition to the conversion tables previously suggested by the Board (they appear in THE CHEMIST AND DRUGGIST YEAR BOOK, p. 323) the first of which sets out the equivalent new pence to the nearest new $\frac{1}{2}$ p. of the present s.d., while the second table gives the equivalent to the nearest whole new penny for transactions, as in banking and accounting, that intend to ignore the $\frac{1}{2}$ p.

Once again there is the exhortation to business not to use the switch to increase prices. Yet since the use of the conversion tables is not to be enforced by law, and since businesses must bear the total expense of the changeover (machine alterations, new stationery, etc.) on top of frequent increased costs over which they have no control, it would be naïve to imagine that most prices will not show a rise on D Day. The Government itself has so far been unwilling to say what it intends to do about its own prices in respect of such items as postage, telephone-call charges and income tax.

In the meantime progress on the change-over is to be reviewed by Lord Fiske (chairman of the Decimal Currency Board) on February 15—exactly two years before D. Day. Lord Fiske will also outline the Board's activities in the coming year when, as part of the over-all strategy, the promise is to direct attention increasingly to the retail and distributive trades.

NEW BOOKS

Trade Descriptions Act, 1968

JOHN O'KEEFE, O.B.E., B.SC. (ECON.), LL.B. *Butterworth & Co. (Publishers), Ltd.*, 88 Kingsway, London, W.C.2. 9 x 6 in. Pp. xvii + 238. 55s. Postage 2s. 3d.

THIS volume replaces the section in Bell and O'Keefe's "Sale of Food and Drugs," and is an annotation of the Act, not a text-book. The wording of each section is given in full, followed by a note amplifying and if necessary explaining the words used in the section, making reference to decided cases where relevant. For example, in section one the words "any person" are used and the note to

the section explains that the phrase includes a limited company; it also considers the liability of corporations. Each of the forty-three sections of the Act is considered, and they contain between them all the information required for construing a section of the Act. In addition the book has a most readable introduction, which sets out the history of the legislation. Orders in Council relating to the Act are also included. Three appendices containing additional legal notes and some relevant sections of the Weights and Measures Act, 1963, and Merchandise Marks Acts, 1887, together with amendments to the lists appended to the Merchandise Marks Act, 1926, make this volume an indispensable work of reference.

Calculations in Pharmacy

S. H. ROUSE, M.S. and M. G. WEBBER, PH.D. *Pitman Medical Publishing Co., Ltd.*, 46 Charlotte Street, London, W.1. 9 $\frac{1}{4}$ x 6 in. Pp. xiii + 242. 60s. Second edition.

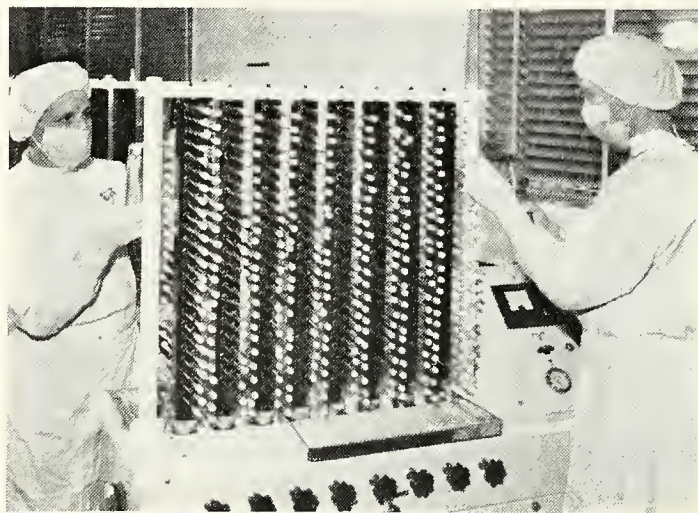
THE second edition of this American book follows closely its predecessor published in 1961. The authors have concentrated on simplified methods of working out problems although traditional methods are placed at the end of the discussion. Several new "short-cut" methods have been incorporated and more than 650 new problems are included for the student to work out.

NEW FILMS

B.C.G. for the World

Glaxo Laboratories, Ltd., Greenford, Middlesex. 16 mm. Colour. Sound. Running time 23 minutes.

As the largest suppliers of B.C.G. vaccine, 80 per cent. of their production going for export, Glaxo Laboratories, Ltd., are the right people to have produced a film dealing with the correct use of the vaccine (an earlier Glaxo film dealt with manufacturing aspects). The new film shows the part the vaccine has played in the prevention of tuberculosis, especially in the developing countries. It looks at the history and development of modern freeze-dried B.C.G. vaccine, which has led to a much wider use of the material because the freeze-dried product may be used in any climate without fear of rapid deterioration. After outlining the manufacturing techniques and testing procedures employed in the company's B.C.G. unit at



Freeze drying applied to B.C.G. vaccine production gave the vaccine a much wider viability. Picture shows a stage in the process.

Greenford the film lays emphasis on the three periods in life (infancy, puberty and old age) at which the risk of contracting tuberculosis is greatest, and draws attention to circumstances that may increase the risk. It makes reference to a large-scale trial in Britain, involving over 50,000 schoolchildren and lasting twelve years, which showed the vaccine to have conferred a substantial immunity and reduced by 80 per cent. the risk of tuberculosis. Alternative methods of administering the vaccine are examined, and the importance of maintaining accurate, up-to-date records of screening, vaccination and reactions is stressed. Copies of the film are available on loan from Public Relations Service of Glaxo Laboratories, Ltd., at Greenford.

FREQUENCY RECORDING

How to apply it in retail management

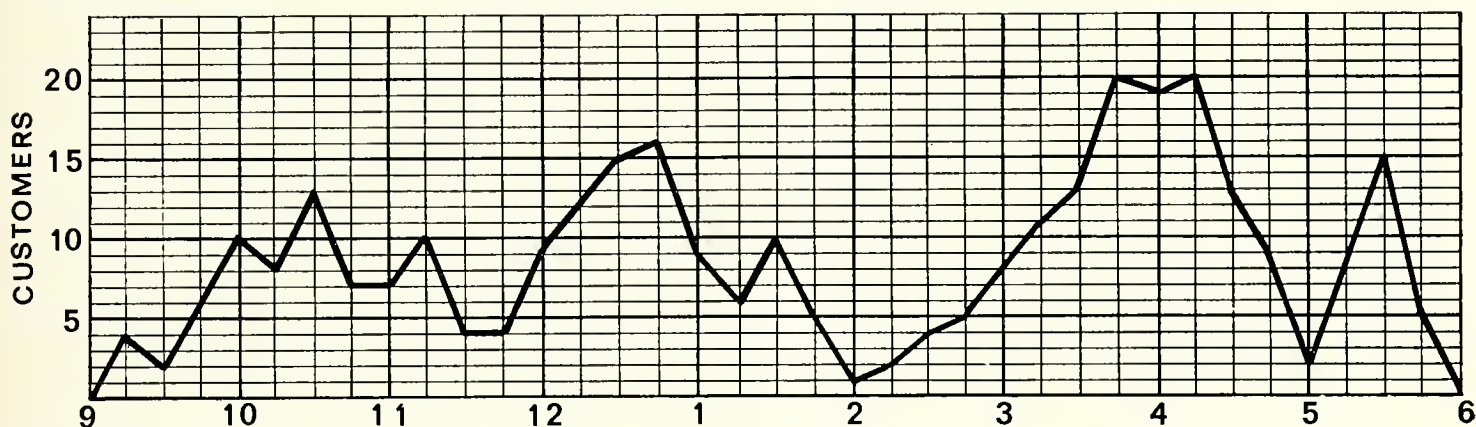
JACK PALMER, M.P.S.

RETAILERS in all types of outlets know well that some periods of the day are busier than others and that those busy periods are caused by variable outside forces.

It is the responsibility of shop proprietors and managers to adapt the daily work routine to those variable forces which are not under his control and to influence whatever outside forces he can (for example, deliveries of goods and representatives' calls). To a great extent the experience of the proprietor or manager is relied upon by his staff or employers to predict the busy periods. The subsequent allocation of labour in the shop rests entirely on his experience.

of customers passing a particular position is recorded, and on the same time basis, a simultaneous record of the sales of a product at that position is made, the two graphs, when superimposed, will indicate the relationship of sales of that item to customer flow as indicated in the example graph 2. The upper line in the graph is as in graph 1, the lower line indicates the sales of a particular item.

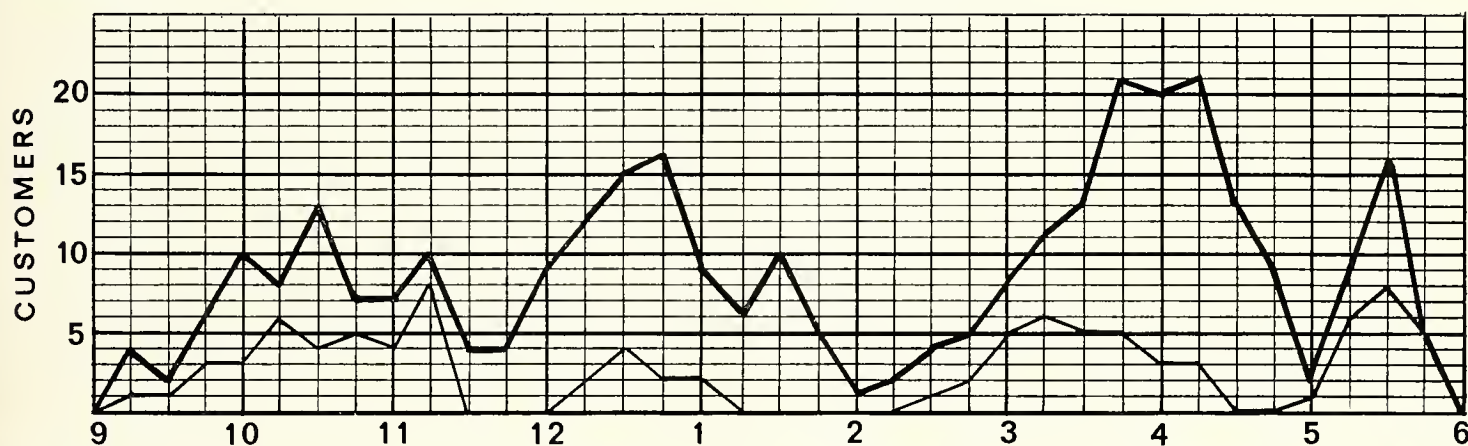
Some of the readings needed for a detailed analysis of customer flow in a large retail organisation will demand automatic frequency recorders. The author has in fact filed a provisional patent specification for such an instrument and is in touch with a manufacturer who is willing



Distance from one vertical line to the next indicates a 15-minute time interval and each horizontal line represents a customer or sale.

The predictability of busy times becomes more certain when the most variable and influential outside force, customer flow, is measured and recorded. Any retailer can measure that flow by noting the till-customer reading at regular periods during the day, say every 15 or 30 minutes, and plotting a graph of those readings. Each graph should span one working day and will show the way peaks and troughs occur in the daily movement of customers, as indicated in graph 1.

to demonstrate a prototype system and produce apparatus suitable for any specific organisation. But there is no need to wait for that. The experimental work involved was done by the author in his capacity of a retail pharmacist/manager and any other pharmacist can apply the same methods. The information obtained enabled staff hours to be planned more effectively and certain deliveries of goods to be controlled so they could be processed during the least busy times.



If the frequency of sales of the same product in different places in the shop or in different packaging is plotted against the frequency of customers passing those items, the effectiveness of the pack, position or display can quickly be assessed.

If the graphs for a period of weeks are analysed, the pattern of trade is shown, and it becomes possible to forecast the periods of peak activity more accurately than is now possible. Thus the allocation of tasks to various members of staff, in relation to customer flow, can be scientifically determined and productivity, therefore, can be increased. S.E.T. can then be reduced by employing part-time staff only at peak periods.

Another useful form of customer analysis can be helpful in sales analysis and market research. If the frequency

A PHARMACIST'S ANTHOLOGY

NOT A DISEASE—A BODY PART

From "Don't Tell Alfred" by Nancy Mitford

As for the doctor, he seemed to have found the perfect hide-out. "Docteur Lecoeur", said Davey impatiently, "the greatest living expert on the vesicule biliere". I asked what that was. "It's not a disease at all, it's a part of the body. We all have it. You ought to see the stones that came out of mine".

ENSURING A VIGOROUS RETAIL SECTOR

N.P.U. secretary circularises Union's members

IN a "personal message from the Secretary," Mr. J. Wright gives in a National Pharmaceutical Union *Supplement* to members his views on—broadly—the relative importance for them of professionalism and increased attention to marketing.

"Apart from professionalism," he writes, "there are also those who apparently pin their hopes for the future of retail pharmacy on the Medicines Act and on limitation or licensing. . . . I welcome the statutory recognition in the Medicines Act of the principle that the pharmacist is specially qualified to exercise a proper professional discretion over the distribution of medicines to the public. I share the hopes of the vast majority of N.P.U. members that the general sales list, when it appears, will be short. But I am alive to the fact that, even if the list contained only a handful of items, the resulting increase in the turnover of N.P.U. pharmacies would be marginal. I agree that we must investigate limitation of pharmacies, or 'planned distribution' as it is euphemistically called, because I know full well that some remedy must be found to the 'leapfrogging' problem. But I would not pin my hopes on that as a solution to retail pharmacy's difficulties. The chances of Parliament agreeing to amend the law so as to restrict the number and positioning of retail pharmacies are, in my view, slim indeed."

Mr. Wright goes on to suggest that

some of those who teach pharmacy students nowadays "lead students to think directly or otherwise that the only worth-while career is one in industry engaged in research. Graduates are emerging after their long training conditioned to the idea that employment in or the operation of a retail pharmacy is beneath their dignity." To imply or say directly that any one field of pharmacy is more honourable or more professional than another is, declares the N.P.U. secretary, to do a disservice both to the student and to the profession overall—to the student because there is a limit to the number of graduates that industry or research can absorb each year.

The Union's plans for the future are being pursued in the belief that a viable and vigorous retail sector of pharmacy is not only essential to the welfare of the community at large—by safeguarding the pharmaceutical service—but to the health and survival of the profession itself. During 1969, another big step forward is being taken by the launch of the new N.P.U. Marketing operation. Time and energies will be devoted towards ensuring that N.P.U. members generally are provided with the products, services and support they need to meet all attacks and, so far as is possible, to out-manoeuvre their commercial adversaries.

Priority is being given to drafting the new policy statement to guide members through the challenges ahead.

CONTROL OF DRUGS IN EIRE

Symposium agreed on need for new legislation

PRESSURE should be put on the Government by the pharmaceutical and medical professions to establish a central control laboratory to test all drugs before they were put on the market, declared DR. JOHN O'CONNELL, T.D. (Labour) at a symposium in the College of Pharmacy, Dublin, on January 20. Spot checks, said Dr. O'Connell, could never be a substitute for scrupulous control, the need for which had been emphasised by the thalidomide disaster and by the recent operations in the Republic of a Polish *entrepreneur*.

Drugs had been marketed with no Government control whatsoever, and it was a sad reflection on the country's health authorities that they had bought hundreds of thousands of £'s worth of substandard drugs distributed by that Polish operator. Prices should not, said the speaker, be the sole determining factor in the purchase of drugs by the Combined Purchasing Authority as it would appear to have been. A central quality control laboratory, if established, would help the drug industry in the export field and would effectively prevent the importation of shoddy drugs. Unfortunately legislation fell far behind medical and pharmaceutical research. The Department was slow to act and reacted only to a public outcry. Although he had drawn the Minister's attention three years ago to the fact that the same batch number had

been on totally different drugs, said Dr. O'Connell, nothing had been done. It behoved the medical and pharmaceutical professions to ensure that indiscriminate advertising of drugs was not allowed. It was important that such preparations should be sold only in pharmacies, and the pharmaceutical profession should ensure that they were not available in supermarkets.

MR. M. F. WALSH (a member of Council, Pharmaceutical Society of Ireland) said it appeared that the British Government had not accepted the type of Commission recommended by Lord Sainsbury. Statutory control would be the ideal answer to current problems in the Republic, and a committee should be appointed to control promotion and sales. The [U.K.] Medicines Act could only result in good for the profession, the industry and the public. A subcommittee of the Pharmaceutical Society of Ireland was examining the provisions in the Act.

MR. F. W. ADAMS (former secretary and registrar, Pharmaceutical Society of Great Britain), speaking on the Medicines Act, said that, though no committees had been appointed at present, the power existed to set them up to deal with matters such as quality control and advertising. He did not think there was any country in the European Economic Community in which such a wide range of controls was operative.

PROFESSOR R. F. TIMONEY (dean of the College of Pharmacy) said the National Drugs Advisory Board had no compulsory powers in relation to drugs introduced on the market for clinical trial, but the majority of companies complied when invited to submit data on their preparations. He agreed there was a great need for one comprehensive organisation, which would be much more satisfactory than a number of different bodies as at present, with almost the same personnel on each.

Granting of Licences

Replying to Professor Timoney, Mr. ADAMS said that, under the Medicines Act, efficacy would not be judged in relation to any other product. A product would not be turned down because it was not as good as another product of the same kind. If the licensing authority found it was unable to grant a licence, the application would be referred to the appropriate committee. If the Minister decided not to grant a licence there was no power to make him do so.

PROFESSOR TIMONEY said that the National Drugs Advisory Board had submitted comprehensive proposals to the Minister for the establishment of a quality control centre.

The president of the Pharmaceutical Society (MR. T. R. MILLER) said that the Society had been a standard-bearer on quality control. Pleas by former president Mr. H. P. Corrigan for such a centre had fallen on infertile ground, but the need for it had been pinpointed by the experience of the substandard Polish drugs. The Medicines Act was a sad one in that it had spelled out for pharmacists what should be done. That had never had to be done for any other profession.

DR. NOEL REILLY (president, Irish Medical Association), said that, within two months of the Polish company's setting up operations in the Republic, his Association had informed the Department of Health that it was advising its members not to use the company's drugs, as they had not been up to standard. Despite that notification the Department and the Dublin Health Authority had ordered large quantities. Recently his Association had discussed with *Radio Telefis Eireann* the advertising of medicines. Doctors in the Republic were fortunate in that most manufacturers operating in the Republic employed pharmacists as their medical representatives. Such men were of great assistance to doctors, especially in rural areas. In England the majority of representatives were not pharmacists, and many were only interested in sales.

MR. R. J. POWER (vice-president of the Society) referred to the anomaly that, under temporary regulations introduced in 1967, antibiotics were available free of control to farmers for veterinary use, but could be obtained for human use only on prescription.

The president of the Irish Pharmaceutical Association, sponsors of the symposium (MR. ERIC BURRELL) said it was apparent that similar legislation to the Medicines Act was required immediately in Ireland before matters got out of hand.

ACE
 —the new
 toothbrush
 which bends over
 backwards to
 make you smile...
 all the way
 to the bank!



The ACE range

The exciting ACE range (six brilliant colours to make a big splash on your counter) comes 'blister-packed' on card. Each toothbrush has its own, free, adhesive holder in the same colour as the brush itself. This range will be backed by—

National Advertising

This superb toothbrush will receive a heavy National Press advertising launch campaign appearing frequently in Woman, The People, The Sunday Mirror, The Daily Mirror, The Sunday Express, Reville, The Daily Sketch, Weekend, Sunday Post, and the Weekly News.

ACE Toothbrushes solemnly promise that at no time will this product be sold through any outlet except chemists.

National distributors for Ace toothbrushes are Devon Hair Aids Ltd., Cradock Road, Luton, Beds.

Ace Toothbrushes (A division of Critchley Bros. Limited, Stroud, Gloucestershire).

Brush up your profits - move forward with ACE in 1969

An important announcement about the Drug Tariff, Scholl ...and you.

You will be aware that you are now required by the Drug Tariff to distinguish between the two types of Standard Yarn Hosiery when dispensing and submitting prescriptions for payment.

The two types are 'Flatbed' and 'Circular' and these are descriptions of the different machines on which these stockings may be knitted. Scholl use both.

'Flatbed' is the old, hand operated process which has hardly changed in over 40 years.

'Circular' is the newer, automated process which Scholl use to produce the famous SOFT GRIP, SUPERLASTIK and GRIP FIT range. By holding a small stock of only four standard sizes you can fit more than 90% of all your customers. They will also prefer the finer appearance that the Circular process gives.

The higher costs of producing hosiery by 'Flatbed' knitting means that manufacturers are now charging higher prices for 'Flatbed' stockings and the Drug Tariff amendment allows you to recover this additional cost. Prescriptions, however, must be endorsed 'Flatbed' and you must be prepared to submit a manufacturer's invoice to the Pricing Bureau as confirmation.

CIRCULAR Knit prices are unchanged. Circular prices are, therefore, not affected by this amendment. When the prescriber fails to specify either Flatbed or Circular, you may endorse the E.C.10 'Circular' yourself.

It follows that Scholl SOFT GRIP, SUPERLASTIK and GRIP FIT Circular Hosiery not only give customer satisfaction but allow for straight-forward pricing.

The Scholl logo, consisting of the word "Scholl" in a bold, italicized, sans-serif font, enclosed within a dark oval border.

Since, for Drug Tariff purposes, NYLASTIK are lightweight Yarn Hosiery they are not affected by the amendment.

TRADE REPORT

The prices given are those obtained by importers or manufacturers for bulk quantities or original packages. Various charges have to be added whereby values are augmented before wholesale dealers receive the goods into stock.

LONDON, JANUARY 29: Though the United States ports on the East and Gulf coasts have been closed for shipping for about forty days, there has been no extra demand for CRUDE DRUGS normally shipped from those ports. Nor does there seem to have been any reaction on prices, most merchants in Britain and on the Continent having apparently planned their requirements ahead. During the week Jamaican GINGER rose 90s. per cwt. on the spot reflecting the scarcity of supplies from other sources. MENTHOL was easier by six pence per lb. on the spot. SARSAPARILLA stocks appeared to have been cleared on the spot and there were no shipment offers. CALUMBA rose 10s. per cwt. and white SQUILL by 5s.; CASCARA, on the other hand was down by 10s. per cwt.

Lower among ESSENTIAL OILS were PETITGRAIN by sixpence per lb. and BOIS DE ROSE for shipment by twopence. Madagascar CLOVE LEAF turned firmer adding tenpence per lb. to last weeks' price.

Makers of IODIDES and other derivatives of IODINE have so far not altered their existing schedules.

Pharmaceutical Chemicals

ADRENALINE.—(Per gm.). Synthetic B.P. 1-kilo lots, 1s. 2d.; 500gm. is 1s. 4d. ACID TARTRATE, B.P., 1 kilo, 10½d.; 500 gm. 1s.

ALUMINIUM CHLORIDE.—Pure, 6s. 2½d. per kilo, 50 kilo kegs.

AMINACRINE HYDROCHLORIDE.—£25 kilo.

BENZOCAINE.—1-cwt. lots, 12s. 5d. per lb.

BROMOFORM.—B.P.C. (6 bottles) 42s. 6d. kilo; (12 bottles), 42s. 1d.

BIARIUM SULPHATE.—B.P., 50-kilo lots, 3s. 8d.; 250-kilos, 3s. 3½d., in kegs.

BISMUTH SALTS.—(Per kilo):—

Quantity	Under 50	50	250
	s. d.	s. d.	s. d.
CARBONATE ...	92 0	90 0	89 0
SALICYLATE ...	8 0	79 0	—
SUBGALLATE ...	78 0	76 0	—
SUBNITRATE ...	83 0	81 0	80 0

BORAX.—B.P. grade, 1 ton and upward; in sacks, granular, £56 10s.; crystals, £60; powder, £61; extra fine powder, £62 per ton. Less £1 in paper bags. Anhydrous £61 10s. in paper bags. Surcharge for less than 1 ton but not less than 10 cwt., 2s. per cwt.; 5 to 9 cwt., 10s.; 1 to 5 cwt., 20s.

BROMIDES.—Crystals (per kilo):—

	Under 50 kilos	50 kilos	250 kilos
	s. d.	s. d.	s. d.
POTASSIUM*...	6 5	5 10½	5 8
SODIUM ...	6 5	5 10½	5 8
AMMONIUM ...	7 4	6 9½	6 6

*Powder 4d. kilo more.

CANTHARIDIN.—£75 per 100 gm.

CHLOROFORM.—35-litre lots of B.P. in winchesters, 9s. 7½d. per litre.

CHLOROXYLENOL.—B.P.C., 7s. 6d. per lb. 1-cwt. lots delivered.

CINCHOCAINE.—HYDROCHLORIDE, 850s. kilo.

CORTISONE.—1-kilo lots, ACETATE, 4s. 6d.; HYDROCORTISONE ACETATE OR ALCOHOL, 4s. 6d. per gm.

DIENOSTROL.—B.P. is 1s. 3d. per gm. for 5-kilo lots.

DIGOXIN.—100-gm lots are 40s. per gm.

HYDROGEN PEROXIDE.—For 27·5 per cent., by weight, £115 per ton; 35 per cent., £138.

DITHRANOL.—B.P., 330s. per kilo, for 5-kilo lots.

EMETINE.—HYDROCHLORIDE, £450 kilo.

EPHEDRINE.—HYDROCHLORIDE, 4s. 9d. per oz. for 1,000-oz. lots. METHYL derivative, 425s. kilo.

ERGOMETRINE.—MALEATE, B.P., 144s. per gm. for 5-gm. lots; 10-gm., 138s. gm.

ETHER, B.P.—Per litre in 2-litre winchesters, SOLVENT, 350 litres, 4s. 11½d. ANAESTHETIC, 6s. 7d.

ETHYL ALCOHOL.—(Prices per proof gall.). PLAIN BRITISH SPIRIT, 66 over-proof (o.p.), in bulk, minimum 2,500 gall., 4s., 500 gall., 4s. 1d.; minimum 900 gall. in drums, 4s. 2d. S.V.R. (68·5 o.p.), 4s. 2d., 4s. 3d. and 4s. 4½d. for same quantities. Absolute (74·5 o.p.), 4s. 4d., 4s. 5d., 4s. 6½d. SYNTHETIC grades minimum 2,500 gall. 66 o.p., 2s. 11½d., 900 gall. in drums, 3s. 1d. Absolute, 3s. 1½d., 3s. 4d. Current duty on fermentation grades, £18 18s. 8d. p.p.g.

GLUCOSE.—(Per ton) MONOHYDRATE, B.P. powder, £76; ANHYDROUS, £48 10s.; LIQUID, 43° Baumé, £59 10s. (5-drum lots).

GLYCERIN.—B.P. grade, per cwt.

	Over 25 tons	5 tons and under 25 tons	1 ton and under 5 tons	Under 1 ton
	s. d.	s. d.	s. d.	s. d.
5 cwt. drums	245 0	247 0	250 0	256 0
2½ cwt. "	248 0	250 0	253 0	259 0
56 lb. tins ...	252 0	254 0	257 0	263 0
28 lb. "	274 0	276 0	281 0	290 0
14 lb. "	278 0	280 0	285 0	294 0

Bulk tank wagon loads from 241s. to 242s. 6d. Technical grade, less 5s. cwt.

GLYCEROPHOSPHATES.—Per kilo in 50 kilo lots; CALCIUM, B.P.C., 29s. 6d.; IRON, 37s. 10d.; MAGNESIUM, 39s. 11d.; MANGANESE, 57s. 5d.; POTASSIUM, 50 per cent., B.P.C., 9s. 8d.; SODIUM, 50 per cent., B.P.C., 6s. 11d. and powder, B.P.C., 1949, 22s. 10d.; GLYCEROPHOSPHORIC ACID, 20 per cent., 12s.

HEXAMINE.—B.P.C. 1959, 50-kilo lots are 6s. per kilo.

HYDROQUINONE.—1-cwt. lots, 10s. per lb. 1-ton, 8s. 6d.

HYPOPHOSPHITES.—Per kilo:—

Quantity	5 kilos	12·5 kilos	50 kilos
	s. d.	s. d.	s. d.
CALCIUM, B.P.C.	21 8	17 10	16 7
IRON, B.P.C. ...	39 3	38 0	36 9
MAGNESIUM ...	—	31 2	29 11
MANGANESE, B.P.C.	—	37 3	36 0
POTASSIUM, B.P.C.	27 1	24 9	23 6
SODIUM, B.P.C. ...	—	20 1	18 10

HYOSCYAMINE SULPHATE.—1-kilo lots 1,357s.

IRON SALTS.—AMMONIUM CITRATE, 250 kilos, 9s. 7d. kilo; SULPHATE, exsiccated, 2s. 8d. kilo. FERROUS GLUCONATE, 25-kilos, 11s. 7d. kilo; 50-200 kilos, 11s. 1d.; 250-950 kilos, 10s. 8d.

ISOPRENALINE SULPHATE.—5-kilo, 273s. per kilo.

KAOLIN.—Light, 500 kilos, 1s. 3d. per kilo and 1,000 kilos, 1s. 2d.

MERCURY SALTS.—Per kilo for under 50-kilo lots—AMMONIATED powder, 168s.; PERCHLORIDE, 145s.; SUBCHLORIDE, 171s. OXIDES, yellow, 177s. and red, 182s. IODIDE (25-kilo lots), 122s.

MERCUROCHROME.—145s. 4d. per kilo.

MERSALYL.—ACID, 283s. per kilo; SODIUM, 380s.

METHYL SALICYLATE.—250-kilos, 7s. 11d. kilo.

PFEDNISOLONE.—ALCOHOL and ACETATE from 7s. per gm.

QUINIDINE.—SULPHATE, 14s. 4d. per oz. for 1,000 oz. lots, ALKALOID, 17s. oz. (500-oz.)

QUININE.—In 1,000-oz. lots (per oz.), SULPHATE, 7s. 8d.; HYDROCHLORIDE, 9s. 5d.; BISULPHATE, 7s. 7d.; DIHYDROCHLORIDE, 10s. 1d.; ALKALOID, 10s.; HYDROBROMIDE, (500-oz. lots), 10s. 3d.

STREPTOMYCIN.—BASE and SULPHATE, 2·85d. per gm.

Crude Drugs

CALUMBA.—Spot, 140s. cwt.; 130s., c.i.f.

CAMPHOR.—B.P. powder, 42s. kilo; 38s. 6d. c.i.f.

CINNAMON.—Seychelles bark, 450s. cwt., spot; 415s., c.i.f. Ceylon quills per lb., c.i.f., five 0's, 9s. 6d.; four 0's, 9s.; three 0's, 8s. 9d.

CLOVES.—Zanzibar, 12s. 6d. lb. spot.

GINGER.—(Per cwt.)—Jamaican No. 3, 460s., spot; Nigerian split, 160s., spot; peeled, 165s.

GUM ACACIA.—Kordofan cleaned sorts, 250s. cwt., spot; 238s., c.i.f.

KOLA NUTS.—West African halves, 8½d. lb.; 7½d., c.i.f.

MENTHOL.—(lb.). Chinese, 34s., spot, shipment, 32s., c.i.f. Brazilian, 27s.; spot, 25s. 6d., c.i.f.

PEPPER.—(per lb.) Sarawak white, 2s. 8d. on spot; 2s. 8½d., c.i.f.; black, 2s. 4½d., spot; 2s. 2½d., c.i.f. Brazilian, 2s. 5d., spot.

SARSAPARILLA.—Spot cleared; no c.i.f. offers.

SEEDS.—(Per cwt.)—ANISE.—China star, unselected, 260s., duty paid. CARAWAY.—Dutch, 175s., spot. CORIANDER.—Moroccan, 66s., spot; 69s., c.i.f. Rumanian split, 64s., duty paid. CUMIN.—Iranian, 157s. 6d., duty paid; 135s., c.i.f. DILL.—Indian, 160s.; Chinese, 125s., duty paid. CELERY.—Indian, 375s., nominal spot; 355s., c.i.f. FENNEL.—Chinese, 115s., duty paid; Indian, 180s. FENUGREEK.—Moroccan, 72s. 6d., duty paid; 57s. 6d., c.i.f. MUSTARD.—English, 70s. to 105s. as to quality.

SQUILL.—WHITE, 195s., cwt.; 185s., c.i.f.

TURMERIC.—Madras finger, spot, 255s. cwt.; new-crop (March-April), 185s., c.i.f.

Essential and Expressed Oils

BOIS DE ROSE.—Brazilian, 19s. 9d. lb. spot and 19s. 2d., c.i.f.

CITRONELLA.—Ceylon, 7s. per lb. spot, 6s. 7d., c.i.f.; Formosan, 6s., in bond; 6s. 6d., c.i.f.; Chinese, 5s. 1d., in bond; 5s. 1½d., c.i.f.

CLOVE.—(lb.) Madagascar leaf, shipment; 12s., c.i.f.; spot, 12s. 2d., in bond, English-distilled bud, 66s. (1-cwt. lots).

LEMONGRASS.—Spot, nominal; 72s. 6d. kilo, c.i.f.

PEPPERMINT.—(Per lb.) *Arvensis*: Chinese, 9s. 9d., spot; 9s. 3d., c.i.f. Brazilian, 9s. 7½d., spot; 9s. 2d., c.i.f. (Jan.Feb.). American *Piperita*, 40s. to 60s.; Italian, 95s.

PETITGRAIN.—Paraguay for shipment, 16s. 3d., c.i.f.; spot, 17s. per lb.

UNITED STATES REPORT

NEW YORK, JANUARY 28: The market for AGAR was reported weak with prices 25 per cent. below previous levels at \$2.75-\$3 per lb. Strength remained in the market for CLOVE BUD OIL at a price as high as \$6.90 per lb.

AMATEUR PHOTOGRAPHIC MARKET

Films and processing up in 1968; apparatus slightly down

EXPENDITURE on amateur photography in 1968 has been estimated by the Photographic Information Council (from comprehensive figures for the first six months of the year) to amount to about £95 millions for the full year, or £53 million more than in 1967. The figures given are retail values (including tax where appropriate) with corrected 1967 figures in parentheses.

Total expenditure on black-and-white still, colour still and movie films (excluding processing) was £17.8 m. (£17.1 m.). Colour still films increased their share of the market still further. Figures in £s million for the past three years were:—

	1968	1967	1966
Colour still	£10.4	£9.2	£8.1
Black-and-white still	£2.9	£3.6	£4.0
Colour cine	£4.5	£4.3	£4.1
Totals:	£17.8	£17.1	£16.2

Total processing expenditure rose to £38.3 m. (£33.5 m.), of which black-and-white work accounted for £8 m. (£9.3 m.) and colour for £30.3 m. (£24.2 m.). Amateurs spent £1.5 m. on chemicals and apparatus for home processing. Expenditure on apparatus, down slightly in 1968, was divided among various classes of equipment as follows (in £s million):—

	1968	1967
Still cameras	14.9	14.9
Cine cameras	6.9	7.1
Still projectors	4.5	4.6
Cine projectors	4.5	4.7
Other equipment	6.6	6.4
Totals:	37.4	37.7

New supplies of still cameras were estimated to have been 16,750 m. units (1.82 m.). New supplies of cine cameras were down, at 130,000 units (139,000 units). Choice of still camera models (fifty new models) decreased, but cine cameras (forty-two new models) offered a wider choice. 934 (1,070) still camera models were available (all sizes) and 443 (440) cine camera models (super-8 and standard 8) plus thirty-three models of 9.5-mm. and 16-mm. cine cameras.

New supplies of slide projectors were also down, at 180,000 units (201,000 units). Cine projectors supplied totalled 125,000 (148,000). During the year forty-one new still projector models were introduced, and twenty-one new cine projector models.

Seven Million More Exposures

Estimated total of exposures was 610 m., an increase of 7 m. Ratio of colour exposures to black-and-white was again 1:1 (it increased to that ratio in 1967 after standing at 1:2 in 1964, 1965 and 1966. From 1957 to 1962 the ratio was 1:7, rising the following year to 1:3). For every three colour transparencies two colour prints are estimated to have been made.

Flash exposures totalled 45 m. (40 m.) with proportions among types of flash estimated at 25 per cent. flash cubes, 15 per cent. electronic flash, and the remainder single flash-bulbs. Two-thirds of flash exposures in 1968 were made on colour film. The Council believes that fewer than half the number

of owners of cameras use flash of any description. Flash-cube sales in the United Kingdom in 1968 were at approximately double the 1967 figure.

In 1968 there were 14 m. still camera owners (over six million of them women) comprising snapshotters (under £10 cameras), 9.7 m.; amateurs (£10-£30 cameras), 3.5 m.; serious amateurs (over £30 cameras), 0.8 m. Cine camera owners totalled approximately 1 m., of whom 250,000 were women.

A LOOK AT PLASTICS

Institute's New Booklet

THE Plastics Institute, 11 Hobart Place, London, S.W.1, has published "A First Look at Plastics" (pp. 28, illustrations 26, price 3s.), a booklet aimed at providing basic information for those in other industries having in mind the use of plastics for the first time and for those in educational establishments intending to include the material in syllabuses or in project work. A pocket on the cover allows a variety of appendices to be included. Examples are: "The Chemistry of the Plastics Industry" (1s.) and "Sources of Information" booklet (9d.).

TRADE MARKS

APPLICATIONS ADVERTISED BEFORE REGISTRATION

"Trade Marks Journal," January 22, No. 4717

LOUIS PHILIPPE, 918,629, by Consortium Méditerranéen de Parfumerie, Ler, Monaco. For non-medicated skin freshening preparations; nail varnish removing preparations; and creams, lotions and cotton wool pads, all for removing face powders, lipsticks and cosmetics (3)

MOTHERCARE, B921,011, by Mothercare, Ltd., Watford, Herts. For all goods (3)

KOHINOOR, 922,260, by Kohinoor Chemical Co., Ltd., Karachi, 1, Pakistan. For cosmetics, soaps, perfumes and perfumed non-medicated toilet preparations (3)

LENTHERIC LIGHT AND LAVISH, 923,577, by Lenthéric, Ltd., London, W.1. For perfumes, non-medicated toilet preparations, cosmetic preparations, dentifrices, depilatory preparations, toilet articles, sachets for use in waving the hair, shampoos, soaps and essential oils (3)

BACCHUS, B925,502, by Coty (England), Ltd., London, W.1. For perfumes, eau de Cologne, cosmetic preparations, dentifrices, non-medicated toilet preparations, toilet articles, soaps and essential oils (3)

QUI SAIT, 926,770, by Lancôme, S.A., Paris, France. For perfumes, perfumed non-medicated toilet preparations; and cosmetic preparations (3)

FIAMMA, 926,885, by Princess Marcella Borghese, Inc., New York, U.S.A. For perfumes, non-medicated toilet preparations, preparations for the hair, soaps and dentifrices (3)

Device, B903,223-24, by Dagra, N.V., Diemen, Amsterdam, Holland. For soaps; perfumes; non-medicated toilet preparations; cosmetics, hair lotions; dentifrices (3) and for pharmaceutical substances; infants' and invalids' foods; disinfectants (5)

NICONACID, 918,936, by Dr. A. Wander, S.A., Berne, Switzerland. UNIGREG, 927,864, by Unigreg, Ltd., London, S.W.19. NORMODEX, 930,925, by Pharmacia, A.B., Uppsala, Sweden. For pharmaceutical preparations and substances (5)

PRELEM, 921,859, by Reckitt & Sons, Ltd., Hull, Yorks. For pharmaceutical preparations, medicated beverages and preparations for making medicated beverages, all for sale

in the United Kingdom, otherwise than for export but not excluding goods for export to the Irish Republic (5)

FONDAREN, 922,226, by J. R. Geigy, A.G., Basle, Switzerland. For preparations for killing weeds and destroying vermin; insecticides, larvicides, fungicides, pesticides (5)

TIGER BRAND (device), 924,247, by Haw Par Brothers, Ltd., Singapore, 2, and Rangoon, Burma. For preparations for human use for the relief of flatulence (5)

NORQUEN, 925,221, by Syntex Corporation, Panama. For steroid hormone preparations for gynaecological use (5)

RODENTEX, B925,320, by Rodentex, Ltd., Acle, Norwich. For rodenticides (5)

TEMBIDS, 926,520, by American Home Products Corporation, New York, U.S.A. For pharmaceutical preparations and products (5)

CEFORAL, 926,553, by Glaxo Laboratories, Ltd., Greenford, Middlesex. For cephalosporin preparations for human and veterinary use (5)

FORTIGRO, 926,896, by Chas. Pfizer & Co., Inc., New York, U.S.A. For pharmaceutical and veterinary preparations and substances (5)

BISOLPENT, 926,972, by C. H. Boehringer Sohn, Ingelheim-on-Rhine, Germany. For pharmaceutical, veterinary and sanitary preparations and substances; medical and surgical plasters; material prepared for bandaging; disinfectants and antiseptics; and preparations for killing weeds and destroying vermin (5)

BIDMYCIN, 927,750, by E. R. Squibb & Sons, Twickenham, Middlesex. For antibiotic preparations (5)

BRASORAN, 928,509, by CIBA, Ltd., Basle, Switzerland. For herbicides (5)

MENDOX, 930,097, by Organon Laboratories, Ltd., Morden, Surrey. For pharmaceutical preparations and substances for human and veterinary use; sanitary substances; sanitary articles; disinfectants, deodorants, anti-perspirants; and medicated preparations for the scalp, skin and mouth (5)

LONDON BRIDGE, B928,783, by Wilkinson Sword, Ltd., London, S.W.1. For scissors (other than surgical scissors); nail clippers; razors; dry shavers; cases for razors and dry shavers; razor blades; razor blade dispensers; etc. (8)

WAYFARER, 929,197, by Ronson Products, Ltd., London, E.C.2. For electric shavers, and parts and fittings (8)

PALMER, 904,845, by C. F. Palmer (London), Ltd., Brixton, S.W.2. For injectors being in the nature of syringes and pumps, etc. (9)

MILAGOR, 929,160, by Dante Mody, London, N.W.6. For photographic, cinematographic and optical apparatus and instruments and parts and fittings (9)

FREEFLEX, 894,803, by William Frecman & Co., Ltd., Barnsley, Yorks. For bottles and containers, and nozzles and caps, all made of plastics and for sale in England, Scotland and Northern Ireland (21)

STEANSET, B907,517, by Popeil Brothers, Inc., Chicago, Illinois, 60607, U.S.A. For hair curlers, hair rollers, hair pins, hair grips, hair wavers, all for attachment to the hair; hair fasteners, hair nets, hair pads and bandeaux, all for wear (26)

ELEGAN, B923,900, by Osborne, Garrett, Nagele, Ltd., London, W.1. For hair nets; wigs, hair pieces (for wear); hair curlers and hair rollers; all for attachment to the hair; hair clips and hair pins (26)

PATENTS

COMPLETE SPECIFICATIONS ACCEPTED From the "Official Journal (Patents)," January 22, 1969

Antimicrobial compositions. Farbenfabriken Bayer, A.G. 1,144,001.

Pesticidal formulations. Cooper, McDougall & Robertson, Ltd. 1,144,003.

Phthalimidine derivatives and a process for the manufacture and conversion thereof. F. Hoffmann-La Roche & Co., A.G. 1,144,060.

Process for treating erythrocytes and the manufacture of tablet therefrom. Organon Laboratories, Ltd. 1,144,215.

Hair dyeing and bleaching compositions. Hans Schwarzkopf. 1,144,100.

Esters of 6-aminopenicillanic acid. Astra A.B. 1,144,191.

Activated esters of 7-aminocephalosporanic acid. Bristol-Myers Co. 1,144,219.

Preparation of medicinal capsules, shells from hydroxyalkylalkyl cellulose ethers. Dow Chemical Co. 1,144,225.

6-acylaminopenicillanic acids and process for preparing them. Farbwerke Hoechst, A.G. 1,144,227.

Monoazo pigment and preparation thereof. Sterling Drug, Inc. 1,144,234.

Purification of saccharine liquids. Röchling Eisenhandelsgesellschaft GEB, and Herrmann Apparatebau, K.G., GEB. 1,144,241.

Reduction products of hydroxyiso-quinolines. Marion Laboratories, Inc. 1,144,246.

Synergistic fungicidal composition. Dow Chemical Co. 1,144,278.

Formyl-19-norsteroids and process for their manufacture. CIBA, Ltd. 1,144,284.

Hair waving composition and process. Mead Johnson & Co. 1,144,308.

Sugar coating solution. CIBA, Ltd. 1,144,439.

Sanitary napkin covers. Johnson & Johnson. 1,144,469.

Production of carbinols. Syntex Corporation. 1,144,474.

Quinazoline derivatives and a process for the manufacture and conversion thereof. F. Hoffmann-La Roche & Co., A.G. 1,144,515.

2-Perfluoroalkyl benzimidazoles and their use as insecticides. Fisons Pest Control, Ltd. 1,144,620.

1,1-Diethyl-2-methyl-3-diphenylmethylene-pyrrolidinium halide compositions. Fujisawa Pharmaceutical Co., Ltd. 1,144,656.

Process for the preparation of amino ketones. John Wyeth & Bros., Ltd. 1,144,744.

Piperazinones and processes for their preparation. Nauchno-Issledovatel'sky Institut Farmakologii i Khimioterapii. 1,144,749.

British patent specifications relating to the above will be obtainable (price 4s. 6d. each) from the Patents Office, 25 Southampton Buildings, Chancery Lane, London, W.C.2, from March 5.

CONTEMPORARY THEMES

Subjects of contributions in current medical and technical publications

INFLUENZA. Forecasting the ravages of. *New Scientist*, January 23, p. 171.

PANCREATIC GLUCAGON. Suppression of release by the hypoglycaemic sulphonylureas. *Lancet*, January 25, p. 172.

FAECAL BLOOD-LOSS. Determination of after combined alcohol and sodium-acetylsalicylate intake. *Lancet*, January 25, p. 178.

TETRACOSACTRIN DEPOT. Adrenocorticotrophic responses to a single injection of and to a standard tetracosactrin infusion. *Lancet*, January 25, p. 188.

LIGNOCAINE THERAPY after acute myocardial infarction. *Brit. med. J.*, January 25, p. 213.

DRUG DEFAULTING in a general practice. *Brit. med. J.*, January 25, p. 218.

STEROID THERAPY. Daily peak flow measurements in the assessment of, for airway obstruction. *Brit. med. J.*, January 25, p. 223.

INFLUENZA. Prospects for immunisation against by the use of living vaccines. *Proc. roy. Soc. Med.*, January, p. 47.

CARDIOVASCULAR DISEASE. Scientific basis for the use of drugs in [4-p. symposium]. *Proc. roy. Soc. Med.*, January, p. 75.

EQUINE PREGNANCY DIAGNOSIS. A comparison of two methods for the detection of gonadotrophin in serum. *Vet. Rec.*, January 25, p. 80.

4-¹⁴C-ETHINYL OESTRADIOL. Metabolism of in women. *Nature*, January 25, p. 360.

AIRBORNE CONTAMINATION. Control of, Part II. *Aust. J. Pharm.*, December, p. S99.

DRUG METABOLISM by intestinal micro-organisms. *J. pharm. Sci.*, December, 1968, p. 2021.

LOCAL ANAESTHETICS APPLIED TOPICALLY. *In vivo* evaluation of. *J. Pharm. Sci.*, December, 1968, p. 2045.

COMING EVENTS

Items for inclusion under this heading should be sent in time to reach the Editor not later than first post on Wednesday of the week of insertion.

Monday, February 3

INTERNATIONAL GIFTS FAIR, Winter Gardens, Talbot hall, Metropole and Imperial hotels, Blackpool, Lancs. Until February 6.

NORTHAMPTON BRANCH, PHARMACEUTICAL SOCIETY, Plough hotel, Bridge Street, Northampton, at 7.45 p.m. Informal dinner. Detective Superintendent J. R. Fishwick on the "Problem of Drug Addiction."

NORTH METROPOLITAN BRANCH, PHARMACEUTICAL SOCIETY, School of Pharmacy, Brunswick Square, London, W.C.1, at 7.30 p.m. Mr. J. R. Dale (chief inspector of the Society) on "Work of the Society's Inspectorate."

NORTH STAFFORDSHIRE BRANCH, PHARMACEUTICAL SOCIETY, Medical institute, Hartshill, Stoke-on-Trent, at 7.45 p.m. Tape recorded lecture on "Going Metric," and Mr. E. D. White (director of management studies, Stoke-on-Trent College of Building and Commerce) on "Industrial Training Act, with Special Reference to the Retail Trade and Pharmacy."

RETAIL ALLIANCE, Connaught hotel, Wolverhampton, at 7.45 p.m. Decimalisation meeting.

STOCKPORT BRANCH, PHARMACEUTICAL SOCIETY, Belgrade hotel, Stockport, at 8 p.m. Dr. R. J. Boscott on "Beauty and the Biochemist."

Tuesday, February 4

GLASGOW PHARMACY CLUB, R. A. Peacocks & Sons, Ltd., tea room, 28 Westminster Terrace, Sauchiehall Street, Glasgow, at 7.30 p.m. Whist drive.

HARROW BRANCH, PHARMACEUTICAL SOCIETY, Victoria hall, Shepcote Road, Harrow, at 7.40 p.m. Mr. E. Cowley (Bush, Boake Allen, Ltd.) on "Colours and Flavours in Foods and Medicines."

WOLVERHAMPTON BRANCH, PHARMACEUTICAL SOCIETY, Castlecroft hotel, Wolverhampton, at 8 p.m. Rev. D. N. Howarth (deputy secretary, Wolverhampton Branch, Telephone Samaritans) on "Telephone Samaritans."

Wednesday, February 5

LANCASTER, MORECAMBE AND WESTMORLAND BRANCH, PHARMACEUTICAL SOCIETY, Elms hotel, Bare, at 7.15 p.m. Dinner and dance.

LEEDS BRANCH, NATIONAL PHARMACEUTICAL UNION, Griffin hotel, Boar Lane, Leeds, at 7.15 p.m. Annual dinner and dance.

OFFICE OF HEALTH ECONOMICS, Imperial College of Science and Technology, London, S.W.7, at 6 p.m. Mr. R. A. Bailey (general manager, Eli Lilly, France) on "Long-range Planning."

RETAIL ALLIANCE, St. Thomas hall, Burgate, Canterbury, at 7.30 p.m. Decimalisation meeting.

WEST HERTFORDSHIRE BRANCH, PHARMACEUTICAL SOCIETY, Cesars Palace, Luton, at 7.45 p.m. Dinner, dance and cabaret.

Thursday, February 6

CHELTENHAM BRANCH, PHARMACEUTICAL SOCIETY, United Chemists' Association, Ltd., Cheltenham, boardroom, at 8 p.m. Speaker from Glaxo Laboratories, Ltd., on "Betnovate."

CHEMICAL SOCIETY, Chemistry department, Sheffield University, at 7.30 p.m. Professor G. W. Kenner (Liverpool University) on "Chemical Studies of Gastrin, the Acid-releasing Hormone."

HOUNSLOW BRANCH, PHARMACEUTICAL SOCIETY, Sun hotel, Hanworth Road, Hounslow, at 7.45 p.m. Dr. A. M. Nelson (Medical Officer of Health, London Borough of Richmond upon Thames) on "Geriatric Facilities."

HUDDERSFIELD CHEMISTS' ASSOCIATION, Pack Horse hotel, Kirkgate, Huddersfield, at 7.45 p.m. Speaker: Mr. D. F. Lewis (secretary and registrar, Pharmaceutical Society of Great Britain).

LANCASTER, MORECAMBE AND WESTMORLAND BRANCH, PHARMACEUTICAL SOCIETY, Duke of

Cumberland hotel, Appleby Road, Kendal, at 8 p.m. Tape recorded lecture on "Going Metric."

MANCHESTER AND Salford BRANCH, PHARMACEUTICAL SOCIETY, Roscoe Theatre, Brunswick Street, Manchester, at 8 p.m. Dr. M. C. G. Israels on "Chemotherapy of Malignant Disease." (Refresher course).

SOUTH-EAST METROPOLITAN BRANCH, PHARMACEUTICAL SOCIETY, Yorkshire Grey hotel, London, S.E.9. Dinner, dance and cabaret.

UNIVERSITY OF LONDON, Institute of Child Health, Guildford Street, London, W.C.1, at 5.30 p.m. Professor H. Kalmus on "Genetic Variation in Response to Drugs."

Friday, February 7

TORBAY BRANCH, PHARMACEUTICAL SOCIETY, Toorak hotel, Torquay. New Year party. Ticket (including buffet) £1 1s.

Courses and Conferences

INSTITUTE OF PACKAGING, White House, University of Sussex, March 16-28. Residential education course for packaging management. Fee, £80, members of Institute; £87, non-members. Details from the Secretary, Institute of Packaging, Malcolm House, Empire Way, Wembley, Middlesex.

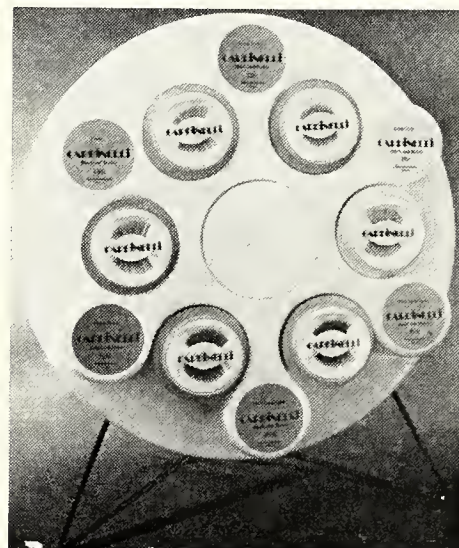
RETAIL TRADES EDUCATION COUNCIL. Ten one-day seminars on "Decimalisation and the Retailer," designed to highlight likely problems during the change-over period. Speakers include representatives of the Decimal Currency Board, equipment manufacturers, British Bankers' Association and supplier organisations. Fee, £7 10s. Dates and venues: LEEDS, February 11; DURHAM, February 12; BRIGHTON, February 26; LIVERPOOL, March 5; CREWE, March 6; EXETER, March 12; BRISTOL, March 18; PORTSMOUTH, April 1; NEWCASTLE UPON TYNE, April 16; WOOLWICH, May 15. Details from Retail Trades Education Council, 56 Russell Square, London, W.C.1.

PRINT AND PUBLICITY

PRESS ADVERTISING

FULFORD WILLIAMS (INTERNATIONAL), LTD., Cornwall Road, Hatch End, Middlesex: Barrett Swiss hand treatment. In *Daily Telegraph* and *TV Times*. Cutipen cuticle remover. In *Woman, Woman's Own* and teenage magazines from the end of February.

J. & E. ATKINSONS, LTD., 45 Portman Square, London, W.1: Atkinsons products. In

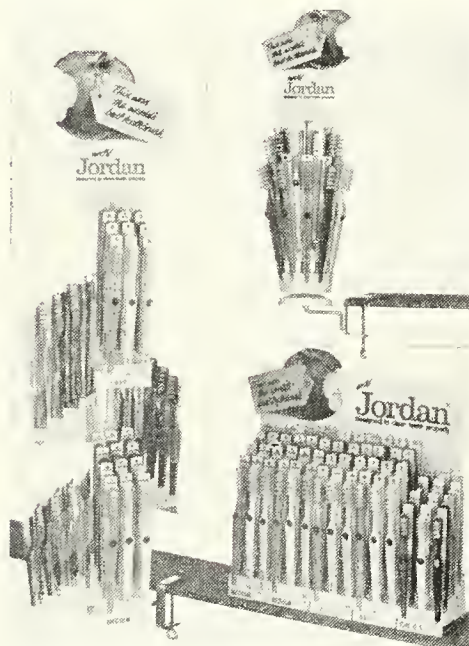


CORRECTION: "Auto Selector" self-service dispenser illustrated above and on January 18 (p. 66) comes free with initial order for twenty-four colour-coded packages of Cardinelli eye lashes from Cardinelli Beauty Products, Ltd., 339 Green Lanes, London, N.4.

Vogue, Honey, Vanity Fair, Flair, She, Nineteen and Nova during 1969.
W. B. CARTWRIGHT, LTD., Rawdon, Leeds, LS19 7YA: Dulsils. In *Sunday Express* and *TV Times* until April.
COW & GATE, LTD., Guildford, Surrey: Cow & Gate milk food. In *Woman* and *Woman's Own*, baby journals and medical and nursing magazines.



FOR DISPLAY AND SALES: A unit available from Cheshrough-Ponds, Ltd., Victoria Road, London, N.W.10...



TOOTHBRUSH MERCHANDISERS: A trio of units for Jordan toothbrushes, now marketed by Wilkinson Sword (Acton), Ltd., Great West Road, Brentford, Middlesex. The 5-doz. pole (left) is designed for clamping on the edges of counters, shelves and gondolas, providing a vertical display that takes up no shelf space. The 5-doz. stand unit (top right) is designed to give a mass hulk effect for display on

counter or shelf. Both are replenished by specially designed cartridge loading of a dozen toothbrushes to each cartridge making for easy stock renewal, the 2-doz. Rotunda (bottom right) is provided with a round base or metal clamp for maximum flexibility of positioning. All three units are provided with supporting display cards.

Prescribers' Press

What doctors are reading about developments in drugs and treatments

THE reasons why and the extent to which patients do not take their drugs in accordance with instructions have been largely ignored, claims Dr. A. M. W. Porter (a general practitioner in Camberley, Surrey). Dr. Porter's conclusion is reached after a three-year study in which the degree of compliance of patients to dosage schedules was observed by one or more of four methods — riboflavine-marked tablets (urine examination can confirm that the drug has been taken); counts and estimates of residual tablets during or after a course; and estimates of tablets used by requests for repeat prescriptions (long-term patients). In a three-week trial in patients with sustained depression, imipramine tablets were taken as instructed by those who completed the trial, but it seemed that side effects might have motivated many of those defaulting. More than two-thirds of a group on short-term antibiotics conformed to instructions, but the remaining patients either stopped the drug prematurely or took it haphazardly. Among patients on long-term treatments—with drugs such as digoxin or thyroxine—social isolation and more-than-once-daily dosage were the factors most likely to cause neglect of drugs. Antenatal patients on iron tablets were found to be less likely to comply with instructions if they were under observation for a long time, had had more than one child, had planned the pregnancy or came from a "manual" social class. Those taking ferrous sulphate three times daily took only two out of three of their tablets, but compliance with dosage instructions was significantly better on a once-daily dose of Ferro-Gradumet. Comparing his findings with those of other studies, the author suggests that patients may conform to the instructions of their general practitioner more faithfully than to those issued by a doctor working with hospital out-patients. "If this be true . . . the locus of drug trials would best be moved, whenever

possible, away from hospital out-patient departments and into general practice." Every drug trial undertaken on out-patients should incorporate methods of detecting defaulters, says Dr. Porter. The risk of defaulting may, he suggests, be reduced by making every effort to ensure that patients understand instructions and are supervised frequently; the number of drugs prescribed should be kept to a minimum, and preference should be given to once-daily preparations having few side effects (*B.M.J.*, January 25, p. 218).

WHEN alcohol is taken with, or separately from, a buffered solution of sodium acetylsalicylate (Alka-Seltzer) workers at the Royal Free Hospital, London, have found, that no increase in faecal blood loss occurs. Loss of Cr-51-labelled red blood cells was studied in twenty-two volunteers, and it was demonstrated that the loss increased, as compared with a control period, neither after alcohol and the preparation nor after alcohol and a placebo (comprising test compound minus the sodium acetylsalicylate). In one subject, on one occasion, there was increased blood loss following self-administration of tab. codeine co. As unbuffered aspirin is known to promote gastric bleeding, the authors seek to explain their findings by suggesting that, when the intragastric pH is buffered high enough to maintain the acetylsalicylate in the ionised (lipid-insoluble) form, the sequence of events leading to bleeding does not occur. It has been shown by other workers that it is the unionised molecules that are absorbed, and still others postulate damage to the lipid barrier over the surface of the mucosal cells during absorption, leading to desquamation. In dogs neutral, citrated buffered sodium acetylsalicylate has been found not to break the gastric mucosal barrier, even in the presence of alcohol. By contrast acetylsalicylic acid with alcohol and hydrochloric acid breaks the barrier (*Lancet*, January 25, p. 178).

BOOKS RECEIVED

Mention here does not preclude a later review.

A *Century of Chemistry*, ERNST BAUMLER with contributions by Professor G. Ehrhart and Dr. V. Muthesius. *Fabwerke Hoechst AG.*, Frankfurt (M), Germany. 9½ x 7in. Pp. 365.

NEW COMPANIES

CHEMIMART (CHELMSFORD) LTD. (P.C.).—Capital £100. To carry on the business of chemists, druggists, etc. Subscribers: Stanley H. Davis and David Ordish, 1 Leonard Street, London, E.C.2.

GEES CAMERAS, LTD. (P.C.).—Capital £2,000. Directors: Leonere Grubberman and John Hough. R.O.: 37 Market Street, Heywood, Lancs.

COMMERCIAL TELEVISION

The information given in the table is of number of appearances and total screen time in seconds. Thus 7/105 means that the advertiser's announcement will, during the week covered, be screened seven times and for a total of 105 seconds.

Period—February 9-15

PRODUCT	London	Midland	Lancashire	Yorkshire	Scotland	Wales & West	South	North-East	Anglia	Ulster	Westward	Border	Grampian	Eireann	Channel Is.
Askit powders ...	—	—	—	—	5/51	—	—	—	—	—	—	3/29	2/30	—	—
Eutercup syrup ...	—	—	2/22	2/22	—	—	—	—	—	—	—	—	—	—	—
Dentu-Creme ...	3/90	—	3/90	3/90	—	3/90	3/90	—	3/90	—	—	—	—	—	—

Efferdent marches south



Nine months ago Efferdent was launched in the Midlands.

The result for chemists:—a significant growth in the denture cleanser market.

And everywhere it is stocked Efferdent has already grabbed a sizeable share of the whole new market!

Quite a start. Midlanders clearly like the way Efferdent tablets go to work on dentures.

And the unique blue colour timer

which shows how quickly the job is done.

Now it's time London and the South got their share.

So Efferdent is on the march.

Continuous television is the backbone of the campaign, strategically flanked by door-to-door samples and coupons, and supported by money-off packs.

There are special introductory bonuses too, giving you over

44% profit on return—it's *profit you never had before* from a market you never had before.

One word of warning:—so successful was the Efferdent Midland launch that after four months one in every three shops had been out-of-stock.

Have you ordered enough to make sure this won't happen to you?

Join up with Efferdent today—in a big way.

Efferdent Denture Cleanser Tablets

Recommended prices:—18 pack 2/7d 28 pack 3/11d
LAMBERT CHEMICAL COMPANY LIMITED, EASTLEIGH, HANTS.

CARNATION CORN CAPS

Take advantage NOW of these special
NEW PACK LAUNCH PRICES
and **BONUS TERMS**

PRICES:

Unit Pack of 30 Wallets in a Display Outer
(each wallet contains five corn plasters)

TRADE PRICE:	33/4 per Unit Pack
PURCHASE TAX:	12/3 per Unit Pack
RETAIL PRICE:	2/1 per Wallet

BONUS TERMS:

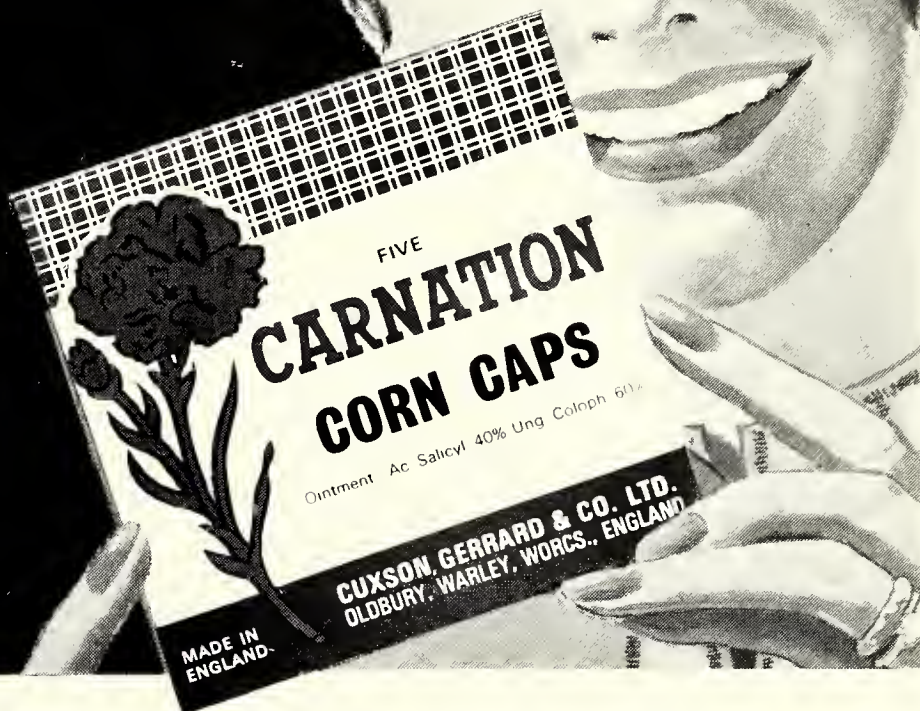
(Direct orders only, Bonus Free of Purchase Tax)

1 to 4 units	(120 wallets)	charged as	list price
5 "	(150 wallets)	" "	140 wallets
6 "	(180 wallets)	" "	168 wallets
7 "	(210 wallets)	" "	196 wallets
8 "	(240 wallets)	" "	224 wallets
9 "	(270 wallets)	" "	252 wallets
10 "	(300 wallets)	" "	260 wallets
Per unit over 10		" "	26 wallets

*For comfort on foot...
and profit in hand...*

*A Brand Leader in a
BRAND NEW PACK!*

*Now in
NEW STYLE
WALLETS
and
DISPLAY
OUTERS!*

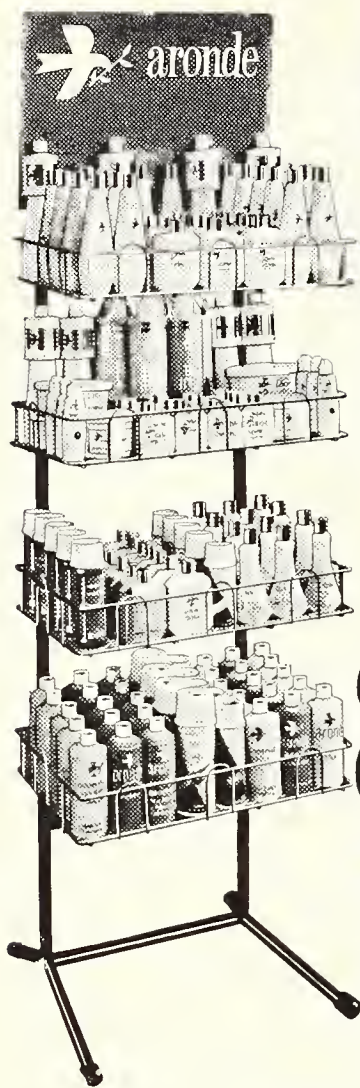


**Extensive NATIONAL ADVERTISING
COMMENCES IN APRIL* — using
5 Mass-Circulation Newspapers and
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* We are delaying the Advertising Campaign until APRIL to enable our retailers to clear existing stocks of Carnation Corn Caps. Order through our representative or direct from us. (Minimum direct order £10, all goods).

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Fast-moving Aronde has the proven merit of successful REPEAT sales! And this year, as before, your big profits with these low cost beauty lines are assured by powerful, eye-catching advertising which will be seen by more than 11,000,000 women . . . your customers amongst them! Bright full-colour spaces in **Women's Own**—backed up by good, regular black-and-white spaces designed to keep your cash register ringing steadily. Record-breaking Aronde sales are promoted by free point-of-sale aids and space-saving metal display stands, too, showing your customers the full, eye-catching Aronde range. There are over 3,000 Aronde stockists—why not join the happy family by asking our Representative for details . . . and remember, the Aronde success story is based on unmatched quality and service. Post the coupon and we'll tell you more!

cut out here

I want fast sales and big profits—please ask your representative to call and help me to get them!

Name

Address

CD/1/2

Post to: ARONDE LABORATORIES LTD., Sherbourne Avenue, Binstead, Ryde, Isle of Wight. Tel: Ryde 3761

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*a unique self-sterile Ointment that compares with
no other in the treatment of:—*

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- BEDSORES •**
- IMPETIGO •**
- NAPKIN RASH •**
- DERMATITIS •**
- CRACKED NIPPLES •**

Manufactured by:

ILON LABORATORIES

(HAMILTON) LTD.

LORNE STREET, HAMILTON, LANARKSHIRE

Ask your usual wholesale House for supplies

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Telephone: 01-437-3102



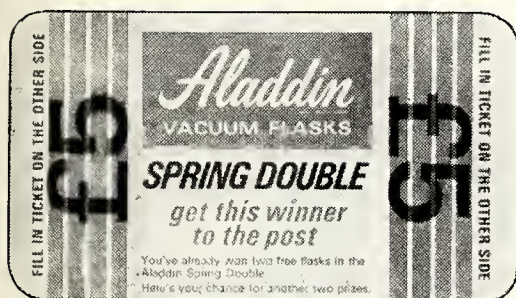
Go nap on the Aladdin Spring Double

**STOCK UP WITH ALADDIN FLASKS
AND YOU'RE ON A WINNER**

Take a tip—bet heavily on Aladdin's 'Spring Double' and you'll win every time. Here's the form. Buy in the 'Spring Double' pack of 28 best-selling Aladdin flasks. Two are FREE—a first time out 23oz Continental plus a 16oz Escort in a new winning design. They're worth 21/3d. at recommended retail prices for a start. Study the list of runners for your total profit on an Aladdin 'Spring Double'.

Additional runner

Order 3 packs or more and your profit increases by 9/2d. per pack.



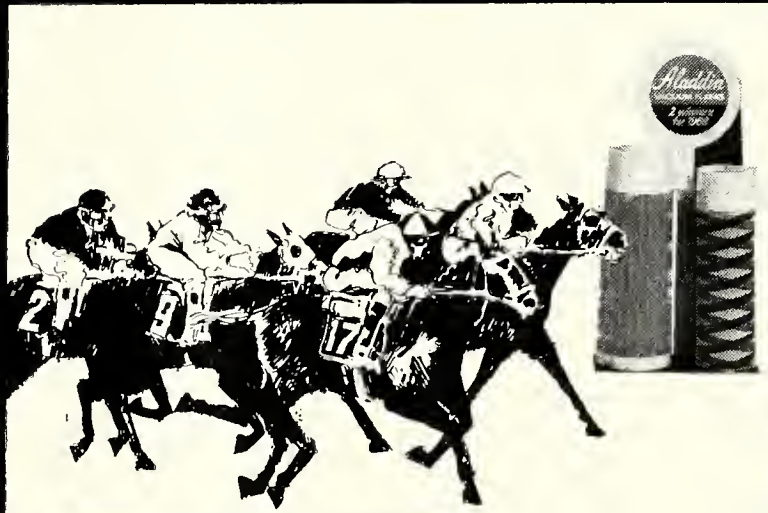
And that's not all.

In every 'Spring Double' Pack you'll find a 'tote ticket' and a winning post showcard. Use the showcard to build an Aladdin display. Complete the ticket and return it to us. That ticket goes into our lucky 'Tote Selection' with fifty £5 cash prizes for the winners. If your ticket comes up and you're still running an Aladdin display you win a fiver.

Don't be left at the post, order those 'Spring Double' packs from your wholesaler now.

Offer closes 30th April 1969.

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1 x 23 oz. Continental	FREE	12/8	
1 x 16 oz. Escort	FREE	8/7	
4 x 8 oz. Continental	23/11	32/4	
12 x 16 oz. Continental	80/7	109/-	
3 x 23 oz. Continental	28/1	38/-	
4 x 32 oz. Continental	43/-	58/4	
2 x 16 oz. Escort	12/9	17/2	
1 x 32 oz. Escort	10/3	13/11	
	198/7	290/-	
YOUR WINNING PROFIT		£4.11.5d.	





Aladdin Industries Limited, Greenford, Middlesex

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This service does not extend to the forwarding of samples.

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WARLINGHAM—SURREY
PHARMACIST**

for PART-TIME duty at above Psychiatric Hospital. Attendance required 20 hours weekly—Monday/Friday inclusive. 58/6d. per session of four hours. Further details on direct enquiry to Chief Pharmacist (UAO.2101). Applications for all, or any single session, to Group Secretary, General Hospital, Croydon, CR9 2RH.

**CONNAUGHT HOSPITAL
Orford Road, Walthamstow,
London, E.17**

Pharmacy Technician I
required Whitley Council Conditions. Apply to Hospital Secretary.

**NORTH MIDDLESEX HOSPITAL
Edmonton, London, N.18**

Senior Pharmacist or Pharmacist
required in modern Pharmacy Department. Part-time appointment considered. Applications stating age, experience, qualifications and giving names of two referees to the Secretary.

**WORCESTER ROYAL
INFIRMARY
Pharmacist**

required for interesting and varied duties. Salary on scale £1,087-£1,366 according to previous professional experience. Applications stating age, details of training, posts held, names of referees to the Hospital Secretary, Worcester Royal Infirmary, Ronswood Branch, Newtown Road, Worcester, from whom further information may be obtained.

**ROYAL INFIRMARY
Edinburgh
Pharmacist**

for Group Pharmaceutical Department. Whitley Council rates and conditions. Temporary accommodation may be possible for lady. Write Personnel Officer, giving full details, naming two referees.

**ISLE OF THANET
DISTRICT HOSPITAL
Margate**

Senior Pharmacist
(full or part-time or locum) to assist Chief Pharmacist at the Margate Wing, which is a Category III Hospital. Unfurnished house or furnished flat could be made available. Applications, with full details and names of two referees, to Hospital Secretary, from whom further information is obtainable.

**KING'S COLLEGE HOSPITAL
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Pharmacy Technician I or II
required. Enquiries to Chief Pharmacist (Telephone 01-274 9941). Applications to Hospital Secretary, St. Francis' Hospital, Constance Road, East Dulwich, S.E.22.

**HAROLD WOOD HOSPITAL
Harold Wood, Essex
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COMMITTEE**

Locum Chief Pharmacist (Category I)
required. Full or part time. Required immediately for a period of two months. Salary £28.17.6. per week. Accommodation available for female candidate (single). Modern department, pleasant working conditions, providing all-round experience, including quality control. New Sterile products unit. Applications to and full information from the Group Pharmacist, Kent and Canterbury Hospital, Canterbury (Canterbury 66877).

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HOSPITAL
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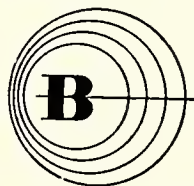
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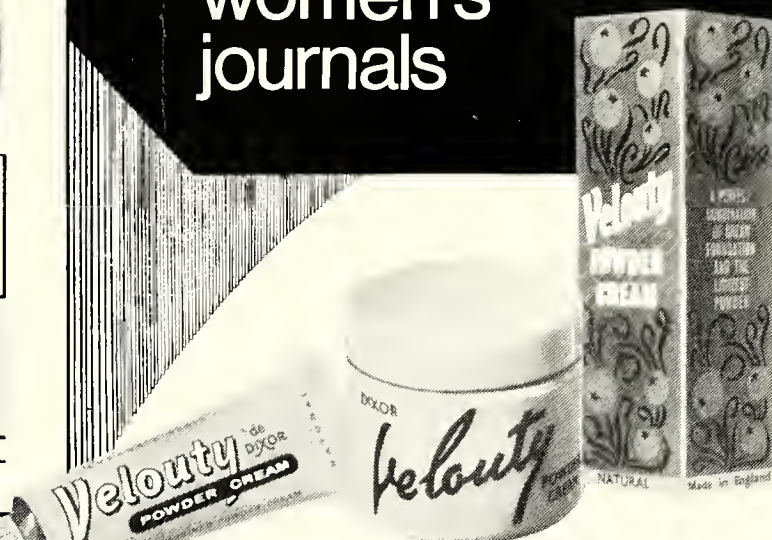
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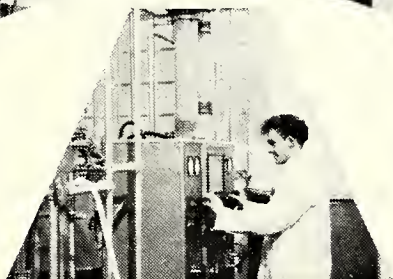
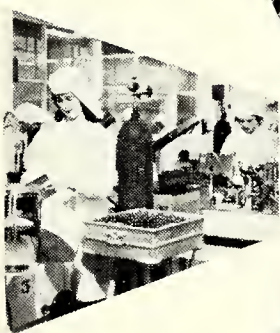
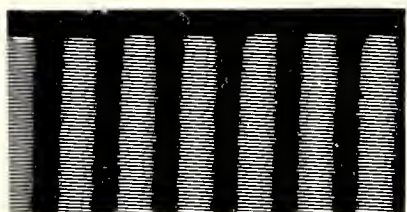
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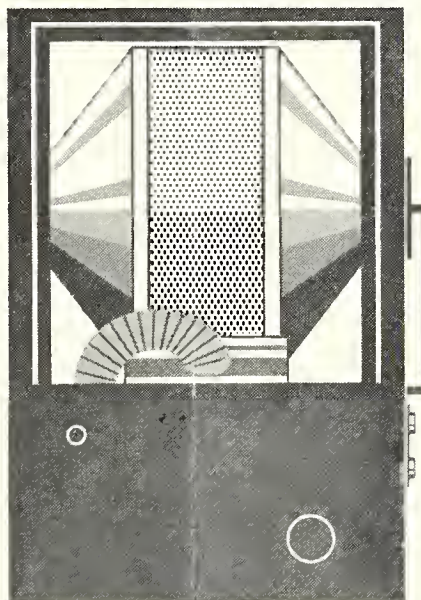
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